# Volume # R0346

B00K A-346

INDEX DIAGRAM.

,		EA DI	AGRA ///	<b>M.</b> .	
Towns		<i>X.</i> ,	Range	10 W.	
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	37		35	_ 4 ./	22
	<i>-</i> /	06		07	

Meanders Page.....

WE,	and
do solemnly swear that we will well and faith chain upon even and uneven ground, and plum we will report the true distances to all notable	fully execute the duties of chainmen; that we will be the tally pins, either by sticking or dropping the same; e objects, and the true lengths of all lines that we asked in accordance with instructions given us, in the succession.
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	, Chain
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do solemnly swear that we will well and true of corners, according to the instructions give	uly perform the duties of moundmen in the establish on us, to the best of our skill and ability, in the surv
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Wr.	
	fully execute the duties of chainmen; that we will level +ha
	b the tally pins, either by sticking or dropping the same; the
we will report the true distances to all notable	e objects, and the true lengths of all lines that we assist '
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	n us, to the best of our skill and ability, in the survey o
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and other duties according to instructions give	en us, to the best of our skill and ability, in the survey of
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	198 191 184 177
81 205 82	197 33 190 34 183 35 176 36

Meanders Page.....

WE	and
do solemnly swear that we will well an chain upon even and uneven ground, an	d faithfully execute the duties of chainmen; that we will level the d plumb the tally pins, either by sticking or dropping the same; that
measuring, to the best of our skill and a	notable objects, and the true lengths of all lines that we assist bility, and in accordance with instructions given us, in the survey of
	·, Chainman
	, Chainman
Subscribed and sworn to before me this	
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3	and truly perform the duties of moundmen in the establishment
of corners, according to the instruction	ns given us, to the best of our skill and ability, in the survey of
	·, Moundman
	·····, Moundman
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do solemnly swear that we will well and	truly perform the duties of axmen in the establishment of corner.
and other duties, according to instruction	ons given us, to the best of our skill and ability, in the survey of
	, Axman.
	, Axman.
Subscribed and sworn to before me this.	)
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SEAL	
I,	, do solemnly swear that I will well and truly
perform the duties of flagman according	to instructions given me, to the best of my skill and ability, in the
	, Flagman.
Subscribed and sworn to before me this	(
day of,	190 )
SEAL (A	
6—151	•

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Township .	2 8.	Range 18	<u>\</u>
6 2,7.9 5	269 . 263	3 257 <sup>2</sup>	25/ 1 227
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277 27	268	262 25	5 249
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Meanders Page.....

WE	and
do solemnly swear that we will well and fair	thfully execute the duties of chainmen; that we will level the amb the tally pins, either by sticking or dropping the same; the
	able objects, and the true lengths of all lines that we assist in
	y, and in accordance with instructions given us, in the survey of
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of corners, according to the instructions gr	iven us, to the best of our skill and ability, in the survey
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and other duties, according to instructions g	given us, to the best of our skill and ability, in the survey o
	, Axman
	, Axman
Subscribed and sworn to before me this	
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perform the duties of flagman according to in	nstructions given me, to the best of my skill and ability, in +:
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	Flagman.
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	351 343	]		320
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Meanders Page.....

WE,	and,			*****************
do solemnly swear that we will well and faithf chain upon even and uneven ground, and plumb we will report the true distances to all notable measuring, to the best of our skill and ability, an	othe tally pins, objects, and the	e duties of chains either by sticking he true lengths of	nen; that v or dropping all lines	ve will level a g the same; the that we assist
			************	Chainm.
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and other duties, according to instructions given	n us, to the be	st of our skill ar	d ability,	in the survey
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# INDEX DIAGRAM.

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Meanders Page.....

do solemnly swear that we will well and faith chain upon even and uneven ground, and plum	b the tally	pins, either by stic	king or dropping the	e same; ,
we will report the true distances to all notable				
measuring, to the best of our skill and ability,				
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do solemnly swear that we will well and tru				
of corners, according to the instructions give	en us, to t	he best of our ski	ll and ability, in tl	10 surve
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and other duties, according to instructions give				
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B00K A-346

FIELD NOTES

OF THE SURVEY-OF-THE

00T/V 1908

OF

UTAH-NEVADA BOUNDARY LINE

From

42d to the 37th Mile Corners.

Of the Meridian,

Robert E.L.Collier , United States Deputy Surveyor,

ler his Contract No. 301 , dated March 5, 196.

5-03-70

6—151

#### NAMES AND DUTIES OF ASSISTANTS.

	,	
	Ralph Gentry,	Chainman.
	•	
	David Sharp Jr.	Chainman.
	R.Harold Browne,	Moundman
		•
	Ralph M.Wind,	Flagman.
•		
		,
	,	

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# INDEX DIAGRAM.

Tou	nship		, Range	***************************************	. '
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Meanders Page.....

Wr Ralph Gentry	David Sharp Jr.
	hfully execute the duties of chainmen; that we will level
chain upon even and uneven ground, and plus	nb the tally pins, either by sticking or dropping the same;
we will report the true distances to all notal	ole objects, and the true lengths of all lines that we recome and it
measuring, to the best of our skill and ability	and in accordance with instructions given us, in the survey
part of the Utah-Nevada Bound	ary line
	Ralph Genly, Chain
·	Variante Charman
	David Sharp Jot, Chainmi
Subscribed and sworn to before me this	ptt.
day of Central, 190	
uny or	Cherry Marking
(FSLAIL)	1 De Du
Tree-man	Viaceptitue
WE, I, RaHarold Browne	and
do solemnly swear that we will well and t	ruly perform the duties of moundmen in the establishme
of corners, according to the instructions give	ven us, to the best of our skill and ability, in the
retracement and resurvey of pa	art of the Utah-Nevada Boundary line
	R. Harold Browne Moundme
	Moundme.
	, Moundma
Subscribed and sworn to before me this	**************************************
day of Cegg ust, 190	
	Cheese Makerison
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option signal	The public
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and other duties, according to instructions gi	ven us, to the best of our skill and ability, in the survey
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الالتيام محاسمة مجالحة	
E SHAU	
Delete Walker	
I, Ralph M.Wind	, do solemnly swear that I will well and tru
perform the duties of flagman according to in retracement and re-	structions given me, to the best of my skill and ability, in *
survey of Dart of the Utah-Neva	ada Boundary line
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	pd Rayota M. Ulud Fla.
Subscribed and sworn to before me this	
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#### RETRACEMENT UTAH-NEVADA BOUNDARY LINE.

Survey commenced August 18, 1908, and executed with a C.L.Berger & Sons light mountain transit No.5778. The horizontal limb is provided with two double vernions placed opposite to each other and reading to single minutes of arc.

The instrument was examined, tested on the true meridian at Salt Lake City, found correct, and was approved by the surveyor general for Utah Aug.12, 1908.

Knowing from the returns of Deputy Stookey, who resurveyed the Utah-Nevada Bdy.line from the 42d to 50th mile posts, that said bdy.is defective, preliminary to commencing the survey of the Salt Lake Base line through Tp.1 N., R. 19 W., I deem it necessary to retrace said boundary line from the 42d mile corner north.

Therefore, at the 42d mile corner, which is a pine post 6 ins.sq., 4 ft.above ground, marked and witnessed as described by the surveyor general, lat.40°42'44!'N. long.ll4 °02'37 " W., at 9 h.40 m.by my watch which is 3 m. slow of local mean time, I observe Polaris at eastern elongation in accordance with the Hanual cof instructions, and mark a point in the line thus determined on a stake driven in the ground 4 chs.N. of my station.

From said \$2d mile corner I run North on the \$2d mile.

August 19:

At 2<sup>h</sup>30<sup>n</sup>a.h?I law off asimuth of Polaris 1° 5<sup>4</sup> to the west, and mark the meridian thus determined by outting a mark on a stone firmly set in the ground west of the point established last night; the megnetic bearing of the true meridian is N.18° 20'W., which gives the mag.decl.18° 20'E.

	RETRACEMENT UTAH-NEVADA BOUNDARY LINE.
Chains	
67.33	Mound of earth and stone 5 ft.base, 21 ft.high 24 lks.
To the state of th	east. Course of this line is therefore N.0°12'E. Continu
go.00	on this course to Set post for temporary 41st mile cor.
e de la companya de l	
	Thence I run North on 41st mile.
63.00	At this point I find it impossible to measure balance
	of mile over the rough limestone peak, I, there fore
	send a flag to top of west slope of peak, then mea-
	sure a base west 15 chs. to a point, from which the
	flag bears N.44 ° 51 E. From the flag the west end of
	base bears S. 41° 51'W. Therefore the distance is
	tang. $48^{\circ}$ 09' x 15 chs., or 1.11696 x 15, which
,	equals 16.75, making the whole distance to flag of
	63.00 chs. plus 16.75 chs., equals 79.75 chs.
80.00	Find no trace of 40th mile post.
1:	Set post for temporary mile post for 40th mile.
	Thence I run
	North on 40th mile,
80.00	Find no trace of 39th mile post.
	Set post for temporary 39th mile cor.
vap a delimentario	
	Thence I run
	North on 39th mile

North on 39th mile

80.00 Find no trace of mound of stone purported to be set on ridge running E. and W.

Set post for temporary 38th mile cor.

#### RETRACEMENT AND RESURVEY UTAH-NEVADA BOUNDARY LINE.

Chains. Thence I run- 1 - 10 20, 21 ...

80.00

5.00

The state of the North on 38th mile, the contract of

Set post for temporary 37th mile: cor.

and the the open to be me

Thence I run

North on 37th Mile,

3.70 | Find limestone 14 x 10 x 8 ins., set in mound of stone

 $3\frac{1}{2}$  ft.base,  $2\frac{1}{2}$  ft.high, stone marked Utah on SE.

Nevada on SW. 2.99 chs.west. This mound is described

in original notes as 36 miles plus 75 chs.

Therefore I find from the point for the 37th mile cor. which is 5 chains south of above described mound.

to the 142d mile post the distance to be 398.70 chs.

Each mile is therefore 79.74 chs.in length and the

course from the point for the 37th mile to the 41st

mile is therefore S.0° 32'W. instead of south as

given in original notes.

I therefore begin at the 36th mile cort already de-

scribed, plus 75.00 chs., and run thence

berrood, prus 75.00 chs., and run thence

South on 37th mile,

Demending over mountainous land; through scattering

greasewood undergrowth.

Set a limestone 24 x 12 x 12 ins., 18 ins.in the ground

for 37th mile cor., marked.

37 M on S.
U on E., and

N on W.face, and raise a mound of stone 3 ft.

· Stranger

The state of the s

"HI : ME TO WELL .

· · · · · ·

base, 2 ft.high south of stone.

Land, mountainous.

No timber.

Soil, stony; 4th rate.

·

Undergrowth scattering greasewood.

ondergrowth adattering greasewood

Mountainous land 80.00 chs.

All the good of the

RESURVEY OF UTAH-NEVADA-BOUNDARY LINE.

S.0° 32'W.on 38th mile, Chains'. Descending over mountainous land; scattering greasewood. Ravine, drains NE. 2.00 Ascend over north slope of mountain. Top of spur, projects E. ,350 ft.above 37th mile post. 31.00 Thence along top of spur, bearing E. and W. Descend over SW.slope of spur. 35.00 Head of ravine, drains S.60° E., 400 ft. below top of spur. 68.00 Ascend. Top of spur, projects about 4 chs.E. 76.00 Descend gently. Falls on small ledge about 8 ft.high on E.slope of 79.74 mountain. Cut a cross (X) at exact point for mile corner; as this ledge was very rough, I set a limestone 15 x 16 x 10 ins.in mound of stone  $3\frac{1}{2}$  ft.base, 2 ft.high, 3 1ks.E.of cross, marked 36 M on S., U on E., and N on W. face. No point nearer where mound would stand. Land, mountainous. Soil, rocky; 4th rate. . No timber. Undergrowth scattering greasewood. S.0° 32 W.on 39th Mile, Ascending over rough north slope of mountain. 11.25 Top of mountains, bear E. and W. 250 ft. above 38th mile post 18.00 Ravine drains NE. ,50 it. below top of mountain. 31.34 Top of ridge bears E. and W. ,100 ft. above ravine. 39.00 Ravine, drains East. Top of ridge bears N.65° W. and S.65° E.,500 it.above 38th 42.90 fille postundacend over swislope of ridge. Foot of ridge; enter wash, draining SE., 350 ft. below top 52.00 or higher manaruna about a charvest. Set a limestone 24 x 12 x 8 ins., 18 ins.in the ground, 79.74

#### RESURVEY OF UTAH-NEVADA BOUNDARY LINE.

Chains for 39th mile cor., marked 39 M. on S., U on E., and
N. on W. face; raise; a mound of stone  $3\frac{1}{2}$  ft. base,  $2\frac{1}{2}$ ft.high S. of cor.

Land, mountainous.

No timber.

1.00

4.00

6.50

7.90

26.00

57.00

379.374

Undergrowth scattering greasewood.

Mountainous land, 79.74 chs.

S.0° 32 W.on 40th Mile

greasewood.
Center of wash 25 lks.wide, & ft.deep, drains S.10°

Descending over mountainous land; through sapatrering.

. W.

Center of wash 25 lks.wide, 6 ft.deep, drains S.20° E.

Ascend over east slope of spur.

Top of spur, projects south.

13.00 Foot of spur; enter, wash drains S.

Leave wash drains S.30° E.

Point between washes.

Descend gently.

peak about 2 chs.E.

Begin ascent over north slope of peak bearing E. and

Falls on small ledge, on W.slope of limestone peak;.

Cut a cross (X) at exact point for 40th mile cor.,

marked U East, 40 M South, and N west of cross; and

raise a mound of stone 3 ft.base 2 ft.high 3 ft.s.

Land, mountainous.

Soil, rocky; 4th rate. I design ( ledge to de 11 , 6 all

No timber. A service of the service

Undergrowth scattering greasewood.

Mountainous land 79 74 chs.

19.21

RESURVEY	OF	UTAH-NEVADA BOUNDARY	LINE.

	Acres de marie San Sald Sa	WHO WAS A CONTRACT OF CHAIRMAN AND CONTRACT OF CONTRACT AND CONTRACT OF CONTRA
	Chains	S.0° 32'W.on 41st Mile,
		Over rough limestone peak; through scattering greasewood.
	2.50	Foot of cliffs on S.slope of limestone peak, bearing
		S.60° E. and N.60° E. 200 1st. below cor.
		Continue steep descent.
	17.00	Foot of south slope of peak bears E. and W. 400 ft. below
		corner? Descandagently wavelygravelly bench.
	52.25	Road bears NE. and SW. 2 chs., then west.
	65.00	Isolated hill about 4 chs.wide and 4 chs.long 5 chs.E.
		of line.
	7.7 • 94	Telephone line, Salt Lake to Ely, brs. E.& W.
1	79.74	Set limestone: 32 x 16 x 11 ins., 24 ins.in the ground,
		for 41st.mile cor., marked 41 H. on S.; U on E., and
		N on W. faces; and raise a mound of stone 3 ft. base,
		2 ft.high 3 ft.S.of cross.
		Land, mountainous.
1		Soil, gravelly; 3d rate.
		No timber.
		Undergrowth scattering greasewood
	-	Mountainous land 79.74 chs.
		•
		S.0° 12'W.on 42d mile,
		Over slightly descending, gravelly bench.
	6.92	Road bears NW. and SE.
	9.00	Begin slight ascent over limestone spur projects N.65°
	. •	~ ₩•
1	1	Mound of earth and stone 5 ft.base, 21 ft.high, identi-
	• •	fied as the mound set on the original survey, on top
		of limestone spur bearing N.65° W. and S.65° E.
		Descend.
	7.90	Foot of spur, projects N.65° W., 125 It. below top.
1	.8.52	Center main line Western Pacific R.R. bears at this
		point N.Sl. 30'W.

Telegraph line bears W.81. 30'W mid.

#### RESURVEY OF UTAH-NEVADA BOUNDARY LINE.

Looking west the line curves to right.
NW.foot of isolated hill; thence along the west slope
Qenter of hill 2.50 chs.E.
East edge of salt spring, about 50 lks. in diameter.
Thence over level alkali land.
To 42d mile cor.heretofore described.
Land, mountainous.and level.
Soil, gravelly; 3d rate; and alkali; 4th rate.
No timber.
Undergrowth scattering greasewood.
Ио

August 19, 1908.

Robert E. L. Collein U.S. Deputy Surveyor.

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# **PAGE**

#### FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

	· · · · · · · · · · · · · · · · · · ·	
LIST	F NAMES.	
A list of the names of the individuals empl	oyed by Robert E.L.Collie	<u>r</u>
, United States	s Deputy Surveyor, to assist in runn	ing, measuring, and
ng the lines and corners described in the for	regoing field notes of the survey of	retracement
esurvey of part of the Utah-	-	,
g the respective capacities in which they a		
·		Chainman
,	Dowid Chenn In	•
		;
		,
		, Axman.
		, Axman.
		$\dots$ , $Flagman$ .
. FINAL OATH	OF ASSISTANTS.	•
We hereby certify that we assisted	Robert E.L.Collier	
	retracing and re United States Deputy Survey	surveying
arts or portions of the Utah-Nevada		
meridian,	retracement ared by him and under his direction; and ledge and belief, well and faithfull instructions furnished by the Unit	hich are represented id re and that said survey y surveyed, and the ted States Surveyor
		J. Chainman.
,	R. Harold Bron	Just Moundman.
	·	
······		, Axman.
		, Axman.
	$\rho \rho \rho > 1$	lufragman.
bed and sworn to before me this	;	Defe :

6-151

## FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

Robert E.L.Collier		
	United St	
solemnly swear that, in pursuance of a contract re	eived from Thomas Hu	11
United States Surveyor General forU	t a h	bearing date of the
5th day of March	, 190 <sup>8</sup> , I have well, faithfu	lly, and truly, in my own
proper person, and in strict conformity with the	structions furnished by the	United States Surveyor
General for Ut ah the retraced states surveyed all those parts or portions	Manual of Surveying Instructory the Utah-Nevada	tions, and the laws of the Boundary, lineor
	•	,
	*	
`		
meridian, in the		•
foregoing field notes as having been surveyed by r		<del>-</del>
swear that all the corners of said survey have been	established and perpetuated	in strict accordance with
the Manual of Surveying Instructions, and the spec		
General for Utah and in the	specific manner described in	n the field notes, and that
the foregoing are the original field notes of such su	evey.	
	Robert E. L.	(0) (1)
	,	l States Deputy Surveyor.
•		Deputy Burveyor,
Subscribed by said Robert E.L.Collier	and sworn to before me)	_
this 12th day of October	190 8.	
		11 - 11
000000	Mond	Mill
O SEAL O OOCOCOO	U.S.Surveyo	r-General
		711 _9
the state of the s		
APPE	OVAL.	otar
APPR	OVAL.	otar
APPR OFFICE OF THE UNITED ST	OVAL.	
OFFICE OF THE UNITED ST	OVAL.	L,
OFFICE OF THE UNITED ST	OVAL. ATES SURVEYOR GENERA  alt Lake City, Ut.  tracement and resur	L, ah. Jan.21, 1909.
OFFICE OF THE UNITED ST  The foregoing field notes of the MMKeykofk_r  Nevada—Boundary—line—Erom_the_42d	OVAL. ATES SURVEYOR GENERA  alt Lake City, Ut  tracement and resur  the 37th mile cor	L, ah. Jan.21, 1909. rvey of the Utah- rners
OFFICE OF THE UNITED ST  The foregoing field notes of the MAXEYXOFX_r  Nevada—Boundary—Line—Erom_the_42d	OVAL.  ATES SURVEYOR GENERA  alt Lake City, Ut  treement and resur  o the 37th mile cor	L, ah. Jan.21, 1909. Evey of the Utch- eners
OFFICE OF THE UNITED ST The foregoing field notes of the MAXEYXOFX r Nevada Boundary line From the 42d	OVAL. ATES SURVEYOR GENERA alt Lake City, Ut tracement and resur	L, ah. Jan.21, 1909. rvey of the Utch- rners
OFFICE OF THE UNITED ST  The foregoing field notes of the MAXEYXOFX r  Nevada Boundary line From the 42d	ATES SURVEYOR GENERA  alt Lake City, Ut  trecement and resur  o the 37th mile con	L, ah. Jan.21, 1909. rvey of the Utch- rners
OFFICE OF THE UNITED ST  The foregoing field notes of the NAKEYKOFK T  Nevada Boundary line From the 42d	OVAL. ATES SURVEYOR GENERA alt Lake City, Ut tracement and resur o the 37th mile con	L, ah. Jan.21, 1909.  rvey of the Utch-
OFFICE OF THE UNITED ST  The foregoing field notes of the XXXejXofX_r  Nevada_Boundary_line_From_the_42d_	ATES SURVEYOR GENERA  alt Lake City, Ut  tracement and resur  o the 37th mile con	L, ah. Jan.21, 1909. rvey of the Utah-
OFFICE OF THE UNITED ST  The foregoing field notes of the MAXEJXOFX r  Nevada Boundary line from the 42d	OVAL. ATES SURVEYOR GENERA  alt Lake City, Ut.  trocement and resur  o the 37th mile con	L, ah. Jan.21, 1909. Evey of the Utah-
OFFICE OF THE UNITED ST  The foregoing field notes of the MMXeyxofx r  Nevada Boundary line From the 42d  executed by	ATES SURVEYOR GENERA  alt Lake City, Ut  trocement and resur  o the 37th mile cor	L, ah. Jan.21, 1909.  Evey of the Utah- chers
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OFFICE OF THE UNITED ST  The foregoing field notes of the MAXEJXOFX r  Nevada Boundary line from the 42d	ATES SURVEYOR GENERA  alt Lake City, Ut  trocement and resur  o the 37th mile cor	L, ah. Jan.21, 1909.  Evey of the Utah- chers
OFFICE OF THE UNITED ST  The foregoing field notes of the MMXeyxofx r  Nevada Boundary line From the 42d  executed by	ATES SURVEYOR GENERA  ALL Lake City, Ut:  trocement and resur  o the 37th mile con  where the second state of the second state	L, ah. Jan.21, 1909.  Evey of the Utah- chers
The foregoing field notes of the MMXeyxofx relevade Boundary line from the 42d executed by Robert E.L.Collie ander his contract No. 301 dated eritically examined, and the necessary corrections retracements and re-marveys they describe, are hereby approved.	ATES SURVEYOR GENERA  alt Lake City, Ut  tracement and resur  o the 37th mile con  /  March 5,  and explanations made, the s  United N	L,  ph. Jan.21, 1909.  rvey of the Utch- rners , 190 8 having been said field notes, and the  States Surveyor General.
OFFICE OF THE UNITED ST  The foregoing field notes of the MMXeyxofx r  Nevada Boundary line From the 42d  executed by	ATES SURVEYOR GENERA  alt Lake City, Ut;  trocement and resur  o the 37th mile con  where the second and explanations made, and the second and explanations	L, sh. Jan.21, 1909. Evey of the Utcherners , 190 8 having been said field notes, and the States Surveyor General.
The foregoing field notes of the MMXejXofX respectively secured by Robert E.L.Collies and the necessary corrections retracements and the necessary corrections retracements and requirements are hereby approved.  I certify that the foregoing transcript of the first certification of the	ATES SURVEYOR GENERA  alt Lake City, Ut;  trocement and resur  o the 37th mile con  where the second and explanations made, and the second and explanations	L, sh. Jan.21, 1909. Evey of the Utcherners , 190 8 having been said field notes, and the States Surveyor General.

United States Surveyor General.

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В.

# FIELD NOTES

OF THE SURVEY OF THE

FILED OCT / 1905

	SALT LAKE BASE LIN	E	
	THROUGH		;
	RANGE NO. 19 WES		
-			
			· · · · · · · · · · · · · · · · · · ·
	SALT LAKE UTAH		
			************
	AS SURVEYED		
	ollier .	•	
der his Contract No	301 , dated	March 5,	.1908,
vey commenced	August 19		, <i>190</i> 8
vey completed	August 20,		, 19 <b>&amp;•</b>
	4-49-26 Pering 10-41		
	r eng		

6--151

## NAMES AND DUTIES OF ASSISTANTS.

	Ralph Gentry,	Chainman.
		M1. ad anno an
	David Sharp Jr.,	Chainman.
	<b></b>	(Inc. immen
*****	Robt.T.Collier,	Chainman,
		Glodyman .
	David Rodger,	Chainman
	D. W	Maundman .
	R.Harold Browne,	Moundman.
	Ralph M.Wind,	Flagman.
***********************************		
		•
***************************************		
		-
######################################		
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BOOK A-346

# INDEX DIAGRAM.

Tou	nshipı	North	, Range	19 West	
6	5	4	8 .	2	
7	8	9	10	11	12
18	17	16	. 15	. 14	13
19	20	21	22	28	′ 24
30 <sub>.</sub>	20	28	27	26	. 25
81 .	. 5	. Ħ 88	84 3	85 2	36 1

Meanders Page.....

	·
do solemnly swear that we will well and faithfully e chain upon even and uneven ground, and plumb the te we will report the true distances to all notable object	xecute the duties of chainmen; that we will level the ally pins, either by sticking or dropping the same; that its, and the true lengths of all lines that we assist in accordance with instructions given us, in the survey of the Salt Lake Meridian, Utah,  Auril Sharp J., Chainman
SEAL	Ditt. Dage
WE, I, R. Harold Browne	and
	form the duties of moundmen in the establishment
	to the best of our skill and ability, in the survey of
the Salt Lake Base Line through R.	19 W.of the Salt Lake Meridian, Utah.
	K. Harold Browne Houndman.
<i>(</i> *)	1
11 1	, Moundman.
Subscribed and sworn to before me this	
day of Ceegares, 1908	So Done
	being Methenson
MSEAL	Stand Profle
WE,	
	n the duties of axmen in the establishment of corners
and other duties, according to instructions given us,	to the best of our skill and ability, in the survey of
	, Axman.
<del></del>	Axman.
Subscribed and sworn to before me this	,
day of, 190	
STATE STATE OF THE	
W SEAL W	4
T Dollah M Mana	
I, Ralph M.Wind	, do solemnly swear that I will well and truly
the Solt Lake Bose Line the	as given me, to the best of my skill and ability, in the
survey of the Salt hake Base hine, the ridian, Utah.	arough R.19 W.of the Salt Lake Me-
Transaction of the contraction o	Ralph M UlistFlagman.
Subscribed and arrete to be seen and arrete	July July July July July July July July
Subscribed and sworn to before me this	
uay or	of the state of th
( ZEAL W	The state of the s
6-151 ·	Worland Trebles
	,

#### SALT LAKE BASE LINE THROUGH R. 19 W.

Chains. Survey commenced Aug.19, 1908, and executed with the instrument described in book "A" of this survey.

At the standard cor.of Tp.1 N., Rs.18 and 19 W., which is a mound of earth and stake 2iinsseq.,12 ft:longye 120ins,in.pit. marked and withessed as described by the surveyor general, lat.40° 46' 04" N.; long.113° 57' 18" W., at 9 h.36 m.p.m.by my watch which is 3 m. slow of 1.m.t., I observe Polaris at eastern elongation in accordance with instructions in the Manual, and mark a point in the line thus determined by a nail driven in a stake set in the ground 4 chs.N. of a my station.

Aug.19, 1908.

Aug. 20: At 7 h. 30 m.a.m.I lay off the azimuth of Polaris 1° 34' to the west, and mark the meridian thus determined by driving a nail in a stake firmly set in the ground west of the point established last night. The magnetic bearing of the true meridian is N.17° 45' W., which gives the mag. decl. 17° 45'E.

At this cor.I turn off from the true meridian an angle of 90° towards the west, and run  $w_{\rm co}$  .

West on tangent S.of sec.36,

By 1st set 40.02 chs.

N.O.2 lks.from tangent,

Over level land.

40.00

Difference bet measurements of 40.00 chs.by two sets of chainmen is 4 lks.; position of middle point

By 2d set 39.98 chs., the mean of which is

Set a conglomerate stone 20 x 6 x 6 ins., 15 ins.in
the ground for \( \frac{1}{4} \) sec.cor., marked S C \( \frac{1}{4} \) on N.face,
dig\_pits\_18 x 18 x 12 ins.E. and W.of stone 3 ft.dist.;

and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$  ft.high N.

#### SALT LAKE BASE LINE THROUGH R. 19 W.

	SALT LAKE BASE LINE THROUGH R. 19 W.
Chains	
	of cor.
48.00	Begin very slight ascent, over gravelly bench land,
	bearing S.60° W. and N.60° E.
69.56	Wagon road toomendover bears S.60° W. and N.60° E.
	Difference bet.measurements of 80.00 chs.by two sets
	of chainmen is 4 lks.; position of middle point
	By 1st set 80.02 chs.
	By 2d set 79.98 chs., the mean of which is
80.00	N.0.9 lks.from tangent,
	Set a conglomerate stone 19 x 12 x 7 ins., 15 ins.in
, , ,	the ground for standard cor.of secs.35 and 36, marked
	S C on N.fæe, with 1 groove on E. and 5 grooves on
	W.face; dig pits 18 x 18 x 12 ins.crosswise on each
	line E. and W.3 ft., and N.of stone 7 ft.dist.; and
	raise a mound of earth 4 ft.bæe, 2 ft.high N.of cor.
*	Land, level and gently rolling.bench.
	Soil alkali and gravelly bench; 4th rate.
,	No timber.
S.89°59.W.on tangent Stof sec.35, 75,	
	Ever rolling bench land.
	Difference bet.measurement of 40.00 chs.by two sets of
chainmen is 2 lks.; position of middle point  By 1st set 40.01 chs.	
40.00	N. 2 lks.from tangent,
	Set a sandstone 14 x'12 x g ins., 9 ins.in the ground,
\$	for standard $\frac{1}{4}$ sec.cor., marked S C $\frac{1}{4}$ on N.face; dig
The second	pits 18 x 18 x 12 ins.E. and W.of stone 3 ft.dist.;
-	and raise a mound of earth 31 ft.base, 11 ft.high N.
	of cor.
73.00	Wash drains S.30° E.

Difference bet.measurement of 80.00 chs.by two sets of

#### SALT LAKE BASE LINE THROUGH R. 19 W.

Chains chainmen is 6 lks.; position of middle point

By 1st set 79.97 chs.

By 2d set 80.03 chs., the mean of which is

80.00 N.3.5 lks.from tangent,

Set a limestone 18 x 8 x 6 ins.; 12 ins.in the ground for standard cor.of secs. 34 and 35, marked S C on N.,

with 4 grooves on W. and 2 grooves on E.fæe; raise a mound of stone 2 ft.base, 1 ft.high N.of cor. Pits impracticable.

Land, rolling bench.

Soil, gravelly; 4th rate.

No timber.

S.89°58.W. on tangent S.of sec.34,

Ascending over gravelly bench.
Foot of ridge, bears N. and S.

The second secon

Top of ridge bears N. and S., about 400 ft.above root. Descend gently.

Begin abrupt descent bearing N. and S.

Descent becomes less abrupt.

Difference bet.measurements of 40.00 chs.by two sets of chainmen is 6 lks.; position of middle point

By 1st set 40.03 chs.

By 2d set 39.97 chs., the mean of which is

N.5.5 lks.from tangent,
Set a limestone 16 x 8 x 5 ins., 11 ins.in the ground

for standard  $\frac{1}{4}$  sec.cor., marked S C  $\frac{1}{4}$  on N.fæe,

and raise a mound of stone 2 ft.base,  $l_{Z}^{1}$  ft.high N.

of cor.

4.50

29.39

33.15

36.00

40.00

42.00 Foot of ridge bears N. and S.; thence over rolling bench.

71.75 Wagon road bears N. and S.

76.00 Foot of spur, projects about 10 chs.S.

Difference bet.measurement of 80.00 chs.by two sets of

	SALT LAKE BASE LINE THROUGH R. 19 W.
 # No. 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	The state of the s
Chains	chainmen is g lks.; position of middle point
	By 1st set 79.96 chs.
	By 2d set 80.04 chs., the mean of which is
80.00	N.S lks.from tangent,
	Set a limestone 25 x 10 x 10 ins., 19 ins.in the ground
	for standard cor.of secs.33 and 34, marked S C on N.
n i i propinsi de la compansa de la	with 3 grooves on E. and W.faces; and raise a mound
	of stone 2 ft.base 12 ft.high N.of cor.Pits imprac-
	ticable.
	Land, mountainous and rolling bench.
	Soil, stony and gravelly 4th rate.
	No timber.
	Mountainous land 41.50 chs.
-	S.89058 w.on tangent S.of sec.33,
	Ascending over spur.
2,20	Top of spur bears N. and S.175 it. above foot. Desc.
<b>8.00</b>	Foot of spur.
14.00	Wash drains S.
	Difference bet.measurement of 40.00 chs.by two sets of
	chainmen is 6 lks.; position of middle point
,	By 1st s et 40.03 chs.
	By 2d set 39.97 chs., the mean of which is
40.00	N. 11 1ks.from tang:
	Set a limestone 13 x 12 x 7 ins., 9 ins.in the ground
	for standard $\frac{1}{4}$ sec.cor., marked S C $\frac{1}{4}$ on N.face, and
7 1	raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft.high N.of
!	cor. Pits impracticable.
52.00	Foot of spur, projects about 4 chs.NÉ.
60.00	Top of spur; thence descend slightly along N.face.
73.00	Begin steeper descent.
75.50	Foot of spur projects NE. 100 rt.below top.

Difference bet.measurement of 80.00 chs.by two sets of

Ascend gently.

#### SALT LAKE BASE LINE THROUGH R. 19 W.

Cha ins

80.00

chainmen is 6 lks.; position of middle point

By 1st set 79.97 chs.

By 2d set 80.03 chs., the mean of which is

N. 14 1ks.from tangent,

"Set a limestone 17 x 8 x 6 ins., 12 ins.in the ground

for standard cor. of secs. 32 and 33, marked S C on N.

with 2 grooves on W. and 4 grooves on E.face; and

raise a mound of stone 2 ft.base 12 ft.high N.of cor.

Pits impracticable.

Land. mountainous and gravelly bench.

Soil, stony and gravelly; 4th rate. No timber.

Mountainous land 31.50 chs.

1000

S 89057 W. on tangent Stof sec. 32, 17

3.1

over gravelly bench and gently ascending over bench

4.00 Top of small spur, projects 1 ch.S.; thence slight de-

\* scent . \*

6.00 Begin ascent.

> Foot of spur, projects N.60° E. 3 chs.; then ascend along N.slope.

Highest point on north slope. 150 it.above root.

Ravine drains NE.

Difference bet.measurement of 40.00 chs.by two sets of

chainmen is 6 lks.; position of middle point

By 1st set 40.03 chs.

By 2d set 39.97 chs., the mean of which is

N. 17.5 lks.from tangent,

Set a limestone 20 x 77 x 6 ins. 15 ins.in the ground for standard  $\frac{1}{4}$  sec.cor., marked S C  $\frac{1}{4}$  on N. face; and

raise a mound of stone 2 ft.base, 12 ft.high N.of

cor.

land.

Ascend.

14.00

36.54

39.80

40.00

#### SALT LAKE BASE LINE THROUGH R. 19 W.

Chains.

49.26

A cedar 10 ins.diam.bears N.27° 45'E. 23 lks.dist.

marked S C  $\frac{1}{4}$  S B T

No other bearing trees, within limits.

Difference bet.measurement of 49.26 chs.by two sets of

chainmen is 8 lks.; position of middle point

By 1st set 49.22 chs.

By 2 d set 49.30 chs., the mean of which is

By 2 d set 49.30 cns., the mean of which I

N.19 lks.from t angent,
Intersect Utah-Nevada boundary line at S. 0° 32' W.

10.41 chs.from the 38th mile cor., established by

myself and heretofore described.

Set a quartzite stone 18 x 18 x 12 ins., 12 ins.in the ground for standard closing cor. of Tps. 1 N., and 1 S.

R.19 W. marked C C U on E., N on W., with 6 grooves

on N., S., and E.faces.; and raise a mound of stone 2 ft.base,  $1\frac{1}{2}$  ft.high E.of cor. Pits impracticable.

Land, mountainous.

Soil, stony and gravelly; 4th rate.

No timber.

No timber. August 20, 1908.

For general description see notes of subdivision of T. 1 N., R. 19 W.

Robert E. L. Collied U.S. Deputy Surveyor.

### LIST OF NAMES. .

A list of the names of the individuals employed by Robert E.L.Collie	er
, United States Deputy Surveyor, to assist in running,	measuring, and
ing the lines and corners described in the foregoing field notes of the survey of the	•
e Line through R.19 W.of the Salt Lake Meridian, Utah,	,
ing the respective capacities in which they acted:	,
Ralph Gentry, Chainman, David Sharp Jr.	, Chainman.
Robt.T.Collier,Chainman,David Rodger	, Chainman.
R.Harold Browne	, Moundman.
	, Moundman.
Ralph <b>W</b> ind	
FINAL OATH OF ASSISTANTS.	, P tagman.
We hereby certify that we assisted Robert E.L.Collier	
United States Deputy Surveyor, i	in surveying all
parts or portions of the Salt Lake Base Line through R. 19 W.	
	***********
·	******
of the	
alt Lake meridian, State of Utah , which	are represented
e foregoing field notes as having been surveyed by him and under his direction; and t	that said survey
peen in all respects, to the best of our knowledge and belief, well and faithfully sur r monuments established, according to the instructions furnished by the United S	
	Juaica Darveyor
	/
	Chainman.
(ob) Coller. L) and (odg c	, Chainman.
	, Moundman.
K. Harold Brown	🙈 Moundman.
······································	, Axman.
· · · · · · · · · · · · · · · · · · ·	, Axman.
Kalph M. Ulius	, Flagman.
ribed and sworn to before me this	
ay of October 1905	
200000	O.
S SEAL S COCCOCCO	ceble

#### FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

Debent E I dellion	5.4.7
I, RODERT E. D. COLLIER	, United States Deputy Surveyor, do
solemnly swear that, in pursuance of a contrac	
United States Surveyor General for	U t a h , bearing date of the
5th day of March	, 190 8, I have well, faithfully, and truly, in my own
•	the instructions furnished by the United States Surveyor
General for Utah	the Manual of Surveying Instructions, and the laws of the
United States surveyed all those parts or port	ions of the Salt Lake Base Line through
	ons of
	14
	\dagger_
	.,
***************************************	of the
Salt Lake meridian, in the State	e Utah , which are represented in the
	by me, and under my direction; and I do further solemnly
	been established and perpetuated in strict accordance with
	special written instructions of the United States Surveyor
	n the specific manner described in the field notes, and that
the foregoing are the original field notes of suc	
the folegoing are the original field flotes of suc	ii survey.
•	Robert E. L. Colling
,	United States Deputy Surveyor.
	,
Subscribed by said Robert E.L.Collier	and sworn to before me)
this 12 th day of October	190 8.
min manage	Thomastul
GEOGRAG GEAL A ADAGRAG	II a g
2010/00/00/00	U.S.Surveyor-General
	for Utah.
. AP	PROVAL.
•	
CERTAR OF THE	
OFFICE OF THE UNITED	STATES SURVEYOR GENERAL,
OFFICE OF THE UNITED	, , , , , , , , , , , , , , , , , , ,
OFFICE OF THE UNITED	STATES SURVEYOR GENERAL, Salt Lake City, Utah, January 21, 1909.
The foregoing field notes of the survey of	Salt Lake City, Utah, January 21, 1909. the Salt Lake Base Line through Range
The foregoing field notes of the survey of	Salt Lake City, Utah, January 21, 1909. the Salt Lake Base Line through Range
The foregoing field notes of the survey of 19 West of the Salt Lake Meridi	Salt Lake City, Utah, January 21, 1909. the Salt Lake Base Line through Range an, Utah,
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The foregoing field notes of the survey of 19 West of the Salt Lake Meridi  Executed by Robert E.L. ander his contract No. 301 detail	Salt Lake City, Utah, January 21, 1909.  the Salt Lake Base Line through Range an, Utah,  Collier
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### A. FIELD NOTES

OF THE SURVEY OF THE

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<b></b>			
	TOWNSHIP NO. 1	NORTH	
		-	
	RANGE NO.19	WEST	
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••			
·			
Of th a	SAT.T LAKE BAS	E_ANDMeridic	77.
•	Othi ban ban		,
	H.A.T.	[ <b>,</b>	
	AS SURVEY	ED BY	
Delegant III I (	an 11 dam	Their Chaire T	annitae Carrenavan
		, United States D	
er his Contract No	301 , dated	March 5,	190 <sup>8</sup> ,
ey commenced	August	21,	
ar acministed	Anonst	22,	1908.
6—151		T. T.	
	,		

4-46-71 Closing 9-18

6-151

#### NAMES AND DUTIES OF ASSISTANTS.

 Ralph Gentry,	Chainman.
 David Sharp Jr.,	Chainman.
 R.Harold Browne,	Moundman.
 Ralph M.Wind,	Flagma .
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### INDEX DIAGRAM.

Tow	nship 1	North	., Range	19 Wes	t
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7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	-22	28	24
30	. 59	28	27	26	25
31	82	83	84	85	36

Meanders Page.....

### PRELIMINARY OATHS OF ASSISTANTS.

WE, Ralph Gentry	and David Sharp Jr
do solemnly swear that we will well and faith	fully execute the duties of chainmen; that we will level to
chain upon even and uneven ground, and plum	b the tally pins, either by sticking or dropping the same; "
	e objects, and the true lengths of all lines that we assist
measuring, to the best of our skill and ability, a	and in accordance with instructions given us, in the survey
N.Bdy.T.1 N., R. 19 W.; S.Bdy.T R. 18 W.; and S.Bdy.T.2 S., R. Utah.	1 S., R. 19 W.; S. and E.Bdys.T. 2 S. 17 W. of the Salt Lake Base and Meridi.
	David Sharp Ju, Chainma
Subscribed and sworn to before me this	
day of leage , 1908	A A A A A A A A A A A A A A A A A A A
SEAL (	Day Duffee.
WE, I, R. Harold Browne	and
	aly perform the duties of moundmen in the establishmen
	me my me my in us, to the best of our skill and ability, in the survey
N.Bdy.T. 1 N., R. 19 W.; S.Bdy. R.18 W.; and S.Bdy.R. 2 S., R.	T. 1 S., R. 19 W.; S. and E.Bdys.T. 2 17 W.or the Salt Lake Base and Meridia
Utah.	K. Harold Browne, Moundma
30	Mann. 1
, , , , , , , , , , , , , , , , , , ,	Moundma
Subscribed and sworn to before me this	
day of cegas, 190	
WEETER	Secure Mature
E SEAL F	Marcolantica
TV	
WE,	
and other duties, according to instructions give	perform the duties of axmen in the establishment of corner on us, to the best of our skill and ability, in the survey
	, Axma.
Subscribed and sworn to before me this	1
day of, 190	{
M SEAT M	
RESERVED TO THE PROPERTY OF TH	
I. Ralph W Wind	
perform the duties of flagman according to instr	ructions given me, to the best of my skill and ability, in +
survey of N.Bdy.T.1 N., R. 19 W.;	S.Bdv.T.1 S., R. 19 W.; S. and E.Bdvs. 2 S., R. 17 W. op the Salt Lake Base ar
Meridian, Utah.	Ralph M Mud Flagman
Subscribed and sworn to before me this	
day of Cliegers, 1995	- To Carrier
SEAL A	Mung Hillicom
CEEFEE .	Whave Pull

#### NORTH BOUNDARY T. 1 N., R. 19 W.

Chains.	Survey commenced August 21, 1908, and executed with the
	instrument described in book "A" of this survey.
	At the cor. of Tps.1 and 2 N., Rs.18 and 19 W., which
	is a quartzite stone 6 x 6 x 6 ins. above ground,
	firmly set and marked and witnessed as described by
	the surveyor general, lat.40° 51' 47" N.; long.113°
	57' 18" W.at 9 h. 28 m. 24 s.p.m.by my watch, which
	is 3 m. slow of local mean time, I observe Polaris at
1 <sup>2</sup> ,	eastern elongation in accordance with the Manual of
	Instructions and mark a point in the line thus de-
	termined on a stake driven in the ground 4 chs.N.
	ofdmy station. sor.

August 22: At 7 h. 30 m.a.m.I lay off the azimuth of

August 21, 1908.

the point established last night.

The magnetic bearing of the true meridian at 7 h. 30 m. a.m. s N.17° 50'W., which gives the mag.decl.17° 50'E.

From the Tp.corner already described I turn 90° to the

Polaris 1° 34' to the west and mark the meridian thus

determined by a stake driven in the ground west of

West bet.secs.1 and 36,
Over gently descending gravelly bench land.

Ravine, drains N.15° W.

west, and run

impracticable.

17.40

40.00

74.00

80.00

Set a quartzite stone 13 x 8 x 5 ins., 9 ins.in the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on N.face; and raise a mound of stone 2 ft.bæe,  $l\frac{1}{2}$  ft.high N.of cor. Pits

Ravine, drains N.15° W.

Set a quartzite stone 20 x 16 x 10 ins., 15 ins.in the ground for cor.of secs.1,2,35, and 36, marked with 1 notch on E. and 5 notches on W.edge; dig pits 18 x

#### NORTH BOUNDARY T. 1. N., R. 19 W.

Chains.

80.00

18 x 12 ins.in each sec.  $5\frac{1}{2}$  ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high W.of cor.

Land, nearly level.

Soil, gravelly; 4th rate.

No timber.

West bet.secs.2 and 35,

Ŋ

Over slightly descending land.

Set a quartzite stone 14 x 8 x 6 ins., 9 ins.in the ground for \(\frac{1}{4}\) sec.cor., marked \(\frac{1}{4}\) on N.fæe; dig pits 18 x 18 x 12 ins.E. and W.orstone, 4 ft.dist.; and raise a mound of earth \(\frac{7}{2}\) ft.base, 1\(\frac{1}{2}\) ft.high N.of cor.

60.00 | Wash drains N.20° W.

Set a quartzite stone 16 x 8 x 6 ins., 11 ins.in the ground for cor.of secs.2,3,34, and 35; marked with 2 notches on E. and 4 notches on W.edge; dig pits 18 x

18 x 12 ins.each sec.  $5\frac{1}{2}$  ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high W.of cor.

Land, mostly level.

Soil, gravelly: 4th rate.

No timber.

cor.

West bet.secs.3 and 34,

Over slightly descending land.

Set a quartite stone 15 x 10 x 6 ins., lomins.in the ground for \$\frac{1}{2}\$ sec.cor., marked \$\frac{1}{2}\$ on N.face; dig pits 15 x 15 x 12 ins.E. and W.ofstone#ft.dist.; and raise a mound of earth \$\frac{1}{2}\$ ft.base, \$1\frac{1}{2}\$ ft.high N.of

75.00 Foot of sand ridge, extending N. 3 chs. and S. 3 chs.

### NORTH BOUNDARY T. . I N., R. 19 W.

	NORTH BOONDARY T I N., R. 19 V.	
		TAL
Chains		
76.50	Top of sand ridge about 12 ft.high, bears N. and S.	
14	Descend.	
78.00	Foot of sand ridge.	
80.00	Set a quartzite stone 16 x 8 x 6 ins., 11 ins.in the	
45	ground for cor.of secs.3,4,33, and 34, marked with	
	3 notches on E. and W.edges; dig pits 18 x 18 x 12	
	ins.i n each sec. 51 ft.dist.; and raise a mound of	
1.1 Year	earth 4 ft.bse, 2 ft.high W.of cor.	
-4	Soil, gravelly; 4th rate.	
1.44 I 114	No timber.	
	A Company of the second of the	
	TO REPORT AND THE PROPERTY OF THE PARTY OF T	
,	West bet.secs.4 and 33,	
	Over level land, with an occasional sand hill,	
40.00	Set a quartzite stone 12 x 8 x 4 ins., 8 ins.in the	
•	ground for 4 sec.cor.; dig pits 18 x 18 x 12 ins.E.	i
• 4 * •	and W.of stone 4 ft.dist.; and raise a mound of earth	
, - ,	$3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high N.of cor.	
61.50	Foot of sand ridge 8 ft.high, projects N.50° W. 3 chs.	
, •	and S.50° E. 3 ohs.	
62.00	Top of sand ridge. Descend.	
62.50	·	
80.00	Set a quartzite stone 13 x 12 x 10 ins., 9 ins.in the ground for cor.ofsecs.4,5,32, and 33, marked with 4	
	notches on E. and 2 notches on W.edge; dig pits 18 x	
	18 x 12 ins.in each sec. $5\frac{1}{2}$ ft.dist.; and raise a mount	đ
#1. F. J.	of earth 4 ft.base, 2 ft.high W.of cor.	
	Land, nearly level.	
	Soil, gravelly; 4th rate.	
	No timber.	

-4- . :..

#### NORTH BOUNDARY T. 1 N., R. 19 W.

West bet.secs.5 and 32, Chains Over nearly level land. Set a quartzite stone 15 x 6 x 4 ins., 10 ins.in the 40.00 ground for  $\frac{1}{4}$  sec.cor.marked  $\frac{1}{4}$  on N.face; dig pits 18 x 18 x 12 ins.E. and W.of stone 3 ft.dist.; and raise a mound of earth 32 ft.base, 12 ft.high N.of Intersect Utah-Nevada Bdy.line at solith 9.78 chs.from 46.71 the 32d mile corner on said boundary, which is an aspen stake 4 x 4 ins., 3 ft.above ground, set in mound of earth 5 ft.base, 12 ft.high, marked Utah on E, Nevada on W. 32 M on S., W 37 on N.face. Set a sawed pine post 4 ins.sq., 3 ft. long, 24 ins.in the ground for closing cor. Tps. 1 and 2 N. R. 19 W. marked

CCR19WUonE.

T 2 N S 32 on N.

TlNS5 on S., andn

dig pits 30 x 24 x 12 ins.crosswise on each line

N. and S. 4 ft., and E.of stone & ft.dist.; and raise
a mound of earth 5 ft.base 2½ ft.high E.of cor.

Land, nearly level.

N on W.face, with 6 grooves on N.E. and S.faces.

Soil, rocky; 4th rate.

No timber.

For general description see notes of the subdivision of this township.

U.S.Deputy Surveyor.

August 22, 1908.

#### BOUNDARIES OF T. 1 N. R. 1 W.

LATITIDES.	DEPARTURES,	AND	CLOSING	ERRORS.
1111 X X X X C 1111 C 9	2111 1111 1 011110	3.1.2	ODOGTNO	73777777

	<b>i</b>						
Lines 1	pesignated	True	Dist.			Departu	
•	,	Bearing			•	Е.	_
North:	Boundary	East	chs., 366.71	chs.	chs.	chs. 366.71	chs.
	undar <b>y</b>					•••••	
Salt La	ake Base	West ,	369.26	•••••	• • • • •	• • • • •	369.26
Utan-N	evada Bdy.	N.0°32'E.	PO.15	90.15	• • • • •	• 84	• • • • •
Utan No	vada Bdy.	North	390.22	390.22	• • • • • •	•••••	••••
Conver	gen <b>cy</b>			***		<u>.56</u>	
,	Tot	als		480.37	#80:00	368.11	369.26
•	4			480.00	" i'. • # i		368.11
	Error	in lat.and	dep.	.37	(.;_		1.15
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aubrit E. L. Collins

U.S.Deputy Surveyor.

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BOUNDARIES OF T. 1 N., R, 19 W.

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LAI	TUDES, DEP.	ARTURES,	AND C	Lostiid	ERRORS.	
Lines Designated	True	Dist.	Latit	ides, ]	Departu	res,
	Bearing		n.	s.	E.	w.
North oundary	East				chs. 366.71	
Mast B undary	South	480.00	•••••	480.00	• • • • • •	• • • • •
Selt L ke Base	West	369.26	• • • • •	• • • • • •	•••••	369226
Utah-N vada Bdy.	N.0° 32'E.	90.15	90.15	• • • • • •	84	•••
Utah-N vada Bdy.	North	390.22	390.22	• • • • • •		• • • • •
Conver , ency					.56	
T o t	als		480.37	480.00	368.11	369.26
			480.00			368.11
Error in	latand der	·	.37			1.15

U.S.Deputy Surveyor.

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### **PAGE**

### FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.	
A list of the names of the individuals employed by	******************
	easuring, and
ng the lines and corners described in the foregoing field notes of the survey of	
g the respective capacities in which they acted:	
list of names and final oaths of assistants see book "K"	Chainman.
.2 S R. 17 W.	Chainman.
	Moundman.
	Axman.
	Axman.
	Flagman.
FINAL OATH OF ASSISTANTS.	
We hereby certify that we assisted	···
, United States Deputy Surveyor, in	surveying all
arts or portions of the	
of the	
of, which ar	
oregoing field notes as having been surveyed by him and under his direction; and the n in all respects, to the best of our knowledge and belief, well and faithfully surve monuments established, according to the instructions furnished by the United State of the United State of the Instructions furnished by the United State of the Instruction of the Instru	eyed, and the
,	Chainman.
,	Chainman.
,	Moundman.
,	Moundman.
	Axman.
	Axman.
,	Flagman.
	•••••••
bed and sworn to before me this	

### FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

T	, United States Deputy Surveyor,
solemnly swear that, in pursuance of a contract	
United States Surveyor General for	, bearing date of
day of	, 190 , I have well, faithfully, and truly, in my
proper person, and in strict conformity with th	e instructions furnished by the United States Survey
General for, th	ne Manual of Surveying Instructions, and the laws of
United States, surveyed all those parts or portion	
	T. 2 S., R. 17 W.
foregoing field notes as having been surveyed by swear that all the corners of said survey have be the Manual of Surveying Instructions, and the sp	of
General for and in the foregoing are the original field notes of such	the specific manner described in the field notes, and the survey.
the fologoing are the original note house of paor	
	Robert E. L. Collier United States Deputy Survey
	Onnea Blates Deputy Burvey
Subscribed by said	
this day of	, 190
OPODOGO O SEAL O OOOGOO	
 APF	PROVAL.
OFFICE OF THE UNITED	STATES SURVEYOR GENERAL,
	Salt Lake City, Utah, January 21, 1.
North, Range No. 19 West of the	the North Boundary of Township No.1 Salt Lake Base and Meridian, Utah,
executed by Robert E.L.Coll	ier
	March 5, 190 8, having b
critically examined, and the necessary correction	ons and explanations made, the said field notes, and
surveys they describe, are hereby approved.	- Hammed Mill
	United States Sarveyor Gen.
I certify that the foregoing transcript of t	he field notes of the above-described surveys in
, has been corre	ctly copied from the original notes on file in this office.
;	
	United States Surveyor Gen.,

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### Field Notes

OF THE SURVEY OF THE

FILED OCT // 1908

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		O F			<u></u>
	· ·				
	TOWN	SHIP NO. 1 NO	RTH		
	RA	NGE NO. 19 WE	EST		*
,		LAKE BASE AN	m	71 6" 1 7 1	
<i>Of the</i>		UTAH,			
		S SURVEYED			
·Robert E.	L.Collie	r	, United	States Depu	ty Surveyor,
er his Contract No.					
ey commenced	***************	August 22,			, 190 <sup>8</sup> •
ey completed					
6—151		46-76-53			

46-76-53 Bin 45-27

### NAMES AND DUTIES OF ASSISTANTS.

	Ralph Gentry,	Chainman.
	David Sharp Jr.,	Chainman.
	R. Harold Browne,	Moundman.
	Ralph M.Wind ,	Flagman.
		•••••••••••••••••••••••••••••••••••••••
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### INDEX DIAGRAM.

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81	32	35	83	16	34	11	85	1	36	

Meanders Page.....

### PRELIMINARY OATHS OF ASSISTANTS.

WE, Ralph Gentry	and	David Sh	arp Jr.	
do solemnly swear that we will well and faithf		ties of chainn	en; that we	e will level th
chain upon even and uneven ground, and plumb				
we will report the true distances to all notable				
measuring, to the best of our skill and ability, an				
Subdivision of Tos. 1 N. and and 19 W.or the Salt Lake Base	Sa, Raidla	and Tp	. 2 S.,	Rs.17, 18
and 19 Webl one part have base		^-	1	
	(Kalp	h des	ly	, Chainman
1	Q $I$ .	0 21	1 11	
-1	- David	x snar	13 <u>-9v</u>	, Chainman
Subscribed and sworn to before me this	<i>(L)</i>		V	
day of Cecones , 190g	}			
day of	( Dece	St. 111	2A	
SERTION				0
		MATace	prel	Le:
T. P. Hamald . Prowns	,			
WE, I. R. Harold Browne	and		а	
do solemnly swear that #e will well and tru	y perform the du	ties of mound	men in the	e establishmen:
of corners, according to the instructions given	-			-
the Subdivision of Tps.1 N. and	1 1 S., R. 19	W.; and	Tp.2 S.	, Rs.17,
18, and 19 W.of the Salt Lake	sase and Meri			<b>.</b>
	17.17	a coccy ,		Moundmar.
· · · · · · · · · · · · · · · · · · ·				, Moundman
6.1	£			•
Subscribed and sworn to before me this				•
day of Congress, 1905	18/1		000	,
ADDRESS OF THE PARTY OF THE PAR	Clean	ys I	tithe	veom
WELLER WELLER	. /	Nota		Deg.
	/			
. WE,	and		T.	
do solemnly swear that we will well and truly p	erform the duties o			
•	erform the duties o			
do solemnly swear that we will well and truly p	erform the duties o			
do solemnly swear that we will well and truly p	erform the duties o			
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do solemnly swear that we will well and truly p and other duties, according to instructions give  Subscribed and sworn to before me this day of	erform the duties on us, to the best of	of our skill an	d ability, i	n the survey of Axman.  Axman  well and truly
do solemnly swear that we will well and truly p and other duties, according to instructions give  Subscribed and sworn to before me this day of	erform the duties on us, to the best of	of our skill an	d ability, i	n the survey of Axman.  Axman  well and truly
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do solemnly swear that we will well and truly p and other duties, according to instructions give  Subscribed and sworn to before me this day of	erform the duties on us, to the best of	of our skill and old our skill and our s	that I will my skill and ; and T	well and trul, lability, in '1-
Subscribed and sworn to before me this	erform the duties on us, to the best of	of our skill and old our skill and our s	that I will my skill and ; and T	well and truly lability, in '1-
Subscribed and sworn to before me this day of	erform the duties on us, to the best of	of our skill and old our skill and our s	that I will my skill and ; and T	well and trul, lability, in '1-
Subscribed and sworn to before me this	erform the duties on us, to the best of	of our skill and old our skill and our s	that I will my skill and ; and T	well and trul, lability, in '1-
Subscribed and sworn to before me this day of	erform the duties on us, to the best of	of our skill and old our skill and our s	that I will my skill and ; and T	well and trul, lability, in '1-
Subscribed and sworn to before me this day of	erform the duties on us, to the best of	of our skill and old our skill and our s	that I will my skill and ; and T	well and trul, lability, in '1-

#### SUBDIVISION OF T.. 1 N., R. 19 W.

Chains. Survey commenced Aug.22, 1908, and executed with the instrument described in book "A" of this survey.

At the standard cor.of Tp.1 N., Rs.18 and 19 W., here-tofore described, lat.40° 46'04" N.; long.113° 57'18"

W. at 9 h.24 m.p.m.bymmy watch, which is 3 m.slow of local mean time I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined by a tack driven in a wooden peg set in the ground 4 chs.N.of

the ground west of the point established last night.

The magnetic bearing of the true meridian is N.17° 45'W.

which gives the mag.decl.17° 45'E.

From standard Tp.cor. already described I run on retracement line north along E.bdy.of sec.36; and at 40.00 chs. intersect the 4 sec.cor., which is a limestone 5 x g x 7 ins.above ground, firmly set and marked and witnessed as described by the surveyor general; and at 80.04 chs. intersect the cor.of secs.25, 30,31, and 36, which is a limestone 6 x 7 x 5 ins. above ground, firmly set and marked and witnessed as described by the surveyor general. The bourse; of this line is therefore north as stated by the surveyor

general, and my chaining practically agress with the

bdy.of Tp., established by myself and heretofore de-

I proceed to the standard cor. of secs. 35 and 36 on S.

scribed, and turn 90° to the north from tangent.

Aug.23: At 7 h. 30 m. a.m.I lay off the azimuth of Po-

laris 1° 34' to the west, and mark the maridian thus

N.0° 01'W.bet.secs.35 and 36,

field notes of the original survey.

Thence I run

my station.

Coains. Over gravelly benck land.

1.31 Cross road bearing F. and F.

4.00 . Leave bench land: and begin ascent bearing E. and W.

18.00 Foot of spur, projects. N.609 W.

15.00 Parine draining SF.

Perin slight ascent.

39.00 % Berin amoent over rocky ridge, boaring R.A W.

ticable.

This cor.falls at foot of rocky slope.

on line at top of precipice, then measure a base line

78.39° 59'E.10.00 cha.to a point, whence the flag

or stone 2 ft.base, 1+ ft.high N.or cor.Pits imprac-

bears N. 580 14 W. From the flag the Elend of bane

line boars S.55° 14'E. By separate measurement of each

angle they are found to be respectively 40°; 81°, 47;

and 5go 13': thear sum being 180°. I then compute the

distance to the top of precipice as follows:

sin 51° 47' x bane, or .9897 x 10 equals 11.64 chs.

which sided to 44.00 chr. makes

rocky plose as follows:

top of reaky precipies, about 150 st. above ; and cor.

Fresipiteum descent, down which I cannot chain. Set a flar en line at the bottom of slope; then measure a

base line from ring 5.7% 13 W. 15.00 chu., whonce the

ring bears N.40° 11'F. From the flag the W.end of the

or each angle they are found to be respectively 101.

I then compute the clutance to the ring at bottom of

wa': 38" 02': and 40" 10', their wich being 180".

#in 38.02 x base, or .616 x 15 equals 14.33 ohs.



44.6h

54.34

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SUBDIVISION OF T. 1 N., R. 19 W.
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which added to 56.34 chs., equals

Chains.

70.67

g0.00

40.00

80.06

10.00

27.50

50.00

74.20

Flag at bottom of precipice and at base of spurppro-in:

jecting S.; thence along W.foot of spur.

Set a quartzite porphyry stone 24 x 12 x 8 ins., 18

ins.in the ground for cor.of secs.25,26,35, and 36,

marked with 1 notch on S. and E.edges; and raise

mound of stone 2 ft.base, 11 ft, high W.of cor. Pits

Land, mountainous.

impracticable.

Soil, gravelly 4th rate.

No timber.

Mountainous land 76.00 chs.

East on a random line bet.secs.25 and 36,

Set temp. 1 sec.cor.

Intersect E.bdy.of Tp.5 lks.S.of the cor.of secs.25,30,

31, and 36, which is a limestone heretofore described. Thence I run

s.g9° 58'W.on true line bet.secs.25 and 36, Ascending E.face of rocky ridge.

Top of ridge bearing N. and S.; thence along ridge.

Begin ascent E.side of spur, projecting NW. 14.00

Top of spur; about 150 rt. above sec.cor. Descend. 22.00

Begin descent over NW.face of ridge, bearing NW. and SI.

Set a limestone 18 x 7 x 7 ins., 12 ins.in the ground, 40.03

for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on N.face; and raise a mound

of stone 2 ft.base, 12 ft.high N.of cor.Pits imprac-

ticable. This \frac{1}{4} sec.cor.about 150 rt.below spur.

W. foot of fidge bearing N. and S.

Thence over gravelly land sloping S.

Wash, drains south. 61.00

Ascend E.side of very steep spur projecting S. 62.00

Top of spur, Tabout 200 it. above wash.

	1	SUBDIVISION OF T. 1 N., R. 19 W.	,
		Descend along W.side of spur.	•
	Chains	Foot of spur bears N. and S.	
	80.06	The cor.of secs.25,26,35, and 36. 125 ft.below spur.	
		Land, mountainous.	
		Soil, rocky and gravelly; 4th rate.	
		No timber.	٠
		Mountainous land 80.06 chs.	•
	•		
		N.0° Ol'W.bet.secs.25 and 26	
		Over bench land, ascending.	
	4.00	Foot of rugged mountain bears E. and W.	
		Begin very steep ascent.	
	12.64	Top of rugged spur, projects SE350 it.above sec.cor.	
	~	From this point I am unable to continue this line;	
		therefore I offset to right by setting flag.at foot	
أ		of mountain. Then set instrument at this flag and	
19:61		turn 90° to the north at point B. and measure a base	
6/	1 *	of 19.67 chs.to point C. Set instrument at point C and	L
В		measure angle from A to C and find it to be 24° 40°;	
		therefore, tang.24° 40' x 19.67 gives 9.03 chs., the	
		offset	
	32.31	On offset on top of small ridge bearing E. and W.	
	•	Continue on of fset, descending.	
	40.00	90° to the west, over ascending land 9.03 chs.to line	
	,	bet.secs.25 and 26,	
		Set a quartzite porphyry stone 24 x 12 x g ins. 1g	
		ins.in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on $\mathring{ ext{W}}$ .face;	
		and raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft.high W.of	
		cor. Pits impracticable.	
		This cor.falls 25 lks.N.of wash draining E. and at E.	
		foot of spur projecting N.	
-	Jan - Calle -	Thence along E. foot of spur.	
	52.00	Leave spur and cross level, gravelly land.	
	68.00	Ascend E.slope of ridge bearing NE. and SW.	
	78.50	Top of ridge, bears E. and W. about 50 ft. above $\frac{1}{4}$ sec. con	r.
1	-		',·

SUBDIVISION OF T. 1 N., R. 19 W.

Chains 80.00 Set a quartzite porphyry stone 18 x 12 x 8 ins., 12 ins.in the ground, for cor. of secs. 23,24,25, and 26, marked with 2 notches on S. and 1 notch on E.edge; and raise a mound of stone 2 ft.bæe, 12 ft.high W.of cor. Pits impracticable. Land, mountainous. Soil, rocky ;4th rate. No timber. Mountainous land on 80.00 chs. N.89° 58 E.on a random line bet.secs.24 and25, γ**.**00 40,.00 Set temp. 1 sec. cor. Intersect E.bdy.of Tp.at the cor.of secs.19,24,25, and 80:04 30, which is a limestone 5 x 10 x 8 ins.above ground, firmly set and marked and witnessed as described by the surveyor general. Thence I run S.89° 58'W.on true line bet.secs.24 and 8525, Over level land. Set a pimestone 16  $\times$  8  $\times$  6 ins., 11 ins.in the ground 40.02 for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on N.face; dig pits 18 x 18

- x 12 ins.E. and W.of stone 3 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$  ft.high N.of cor.

  Ascend E.face of ridge bearing south about 12 chs.

  Top of ridge bearing N. and S., about 150 rt.above roct.
  - The cor. of secs. 23.24.25 and 26. 75 it. below top of spur. Land, level and mountainous.

No timber.

Soil, rocky; 4th rate.

80.04

Mountainous land 14.94 chs.

N.0° 01'W.bet.secs.23 and 24,

#### SUBDIVISION OF T. 1 H., R. 19 W.

Chains. Descending over N.side of spur and run alongW.foot of spur.

- 10.00 Foot of spur.bears E.& W.. about 50 It.below sec.cor.

  Thence over land sloping to the NW.
- 40.00 Set a quartzite porphyry stone 24 x 8 x 8 ins., 18 ins. in the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W.face; dig pits 18 x 18 x 12 ins.N. and S.of stone 3 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$  ft.high W.

Corner falls at S.foot of spur projecting N.20° W. Thence ascend S.slope of spur.

- 44.00 Top of spur.about 30'ft.above & sec.cor. Desc.
- 4g.00 Foot of spur. Thence along W.foot of ridge.
- so.oo Set quartzite porphyry stone 24 x 7 x 4 ins., 18 ins.
  in the ground for cor.of secs.13,14,33, and 24, marked
  with 3 notches on S. and 1 notch on E.edge; and raise
  a mound of stone 2 ft.base, 12 ft.high W.of cor. Pits

This cor.falls at foot of spur, projecting NW.

Land, mountainous.

impracticable.

of cor.

Soil, gravelly; 4th rate.

No timber.

Mountainous land 80.00 chs.

N.89° 58'E.on a random line bet.secs.13 and 24,

40.00 Set temp. 1 sec.cor.

80.00 Intersect E.bdy.of Tp. 4 lks.N.of cor.of secs.13, 18

19, and 24, which is a cross (X) on stationary ledge
marked and witnessed as described by the surveyor
general. Thence I run

West on true line bet.secs.13 and 24, Descending along W.side of very steep ridge.

28.00 Ravine 8 ft.deep, drains N., at foot of peak.

Ascend slope of limestone spur, which projects N.30° W.

-/-

SUBDIVISION OF T. 1. N., OR. 019 W. (\*)

Chains

73.00

80.00

40.00

Top of N.end of spur; thence along N.end of spur.

40.00 Set a limestone 16 x 8 x 7 ins., 11 ins.in the ground for \( \frac{1}{4} \) sec.cor., marked \( \frac{1}{4} \) on N.face; and raise a mound of stone 2 ft.base, \( \frac{1}{2} \) ft.high N.of cor. Pits imprecticable. \( \frac{1}{2} \) cor about 100 ft.above rayine.

practicable. 124cor.about 100 ft.above ravine.

This corner falls on the NW.face of spur.

Thence descend over NW.side of spur.

52.00 Foot of spur; thence over land sloping N.

60.00 N.end of spur, bearinging SE. to main ridge.

66.00 Ravine 5 ft.deep, drains N.

Ascend over small spur projecting N. Top of spur, bears N. and S.

The cor.of secs.13,14,23, and 24.

Land, mountainous.

Soil, stony and gravelly; 4th rate.

No timber..

Mountainous land 80.00 chs.

N.00 01'W.bet.secs.13 and 14,

Ascending W.side of spur, projecting NW. 2.00 Top of spur, projects NW. Descend.

high W.of cor.

8.00 Foot of spur.

Set a quartzite porphyry stone 12 x 8 x 6 ins., 8 ins.i in the ground, for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W.face; dig pits 18 x 18 x 12 ins.N. and S.of stone 3 ft.

dist., and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$  ft.

Thence over bench land sloping NW.

68.00 Wash 2 ft.deep, 8 lks.wide, drains N.75° W.

ground for cor. of secs.11,12,13, and 14, marked with 4 notches on S. and 1 notch on E. edge; and raise a

mound of stone 2 ft.base, 12 ft.high W.of cor.Pits

	SUBDIVISION OF T. 1 N., R. 19 W,
Chains	impracticable.
· ·	Land, mountainous and level.
,	Soil, gravelly; 3d rate.
	No timber.
·	Mountainous land 80.00 chs.
	East on a random line bet.secs.12 and 13,
40.00	Set temp. 1/2 s ec. cor.
79.96	Intersect E.bdy.of Tp. 24 1ks.N.of cor.of secs.7,12,13
	and 18, which is a limestone 5 x 8 x 7 ins.above
	ground, firmly set and marked and witnessed as de-
	scribed by the surveyor general.
	Thence I run
	N.89° 50'W.on true line bet.secs.12 and 13,
-	Over level bench land.
39.98	Set a quartzite porphyry stone 16 x 16 x 6 ins., 11 ins
	in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; and
	raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft.high N.of
	cor. Pits impracticable.
79.96	The cor.of secs.11,12,13, and 14.
	Land, level with slight slope to NW.
	Soil, gravelly; 4th rate.
	No timber.
•	
<sup>~</sup>	N.0° 01'W.bet.secs.11 and 12,
-	Over level land.
40.00	Set a quartzite porphyry stone 14 x 12 x g ins., 9
	ins.in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.
	face; and raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft.
	high W.of cor. Pits impracticable.
	This corner falls about 4 chs. W. of the west end of a
,	spur projecting E.

-9-

SUBDIVISION OF T. 1 N., R. 19 W. Chains. Continue over level land. go :00 Set a quartzite porphyry stone 15 x 8 x 4 ins., 10 ins. in the ground, for cor. of secs. 1,2,11, and 12, marked with 1 notch on E. and 5 notches on S.edge; and raise a mound of stone 2 ft.base,  $l^{\frac{1}{2}}$  ft.high W.of cor. Pits impracticable. Land, level, with slight slope to the NW. Soil, gravelly; 3d rate. .

No timber.

S.89° 50'E.on a random line bet.secs.1 and 12 40.00 Set temp.  $\frac{1}{2}$  sec.cor.

79.94

39.97

59.10

77.00 79.94 Intersect E.bdy.of Tp.23 lks.N.of the cor.of secs.1,6,7 and 12, which is a quartzite stone 5 x 8 x 7 ins.above ground, firmly set and marked and witnessed as de-

scribed by the surveyor general. Thence I run N.89° 40'W.on a true line bet.secs.1 and 12, Over nearly level, land.

Pits impracticable. Thence over level land. Wash, drains NW. Wash, drains NW.

The cor.of secs.1,2,11, and 12.

Land, level with slight slope to the NW. Soil, gravelly; 3d rate. No timber.

N.00 01 W.on random line bet.secs.1 and 2,

Set a quartzite porphyry stone 12 x 8 x 6 ins., 8 ins. in the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on N.face; and raise a mound of stone 2 ft.base, light.high N.of cor.

40.00 | Set temp. 4 sec.cor. Intersect N.bdy.of Tp.18 lks.E.of the cor.of secs.1,2, 79 - 55

Chains. 35, and 36, established by myself and heretofore described. Thence I run

S.00'09'E.on true line bet.secs.1 and 2,

Over level land.

79.55

39.55 Set quartzite porphyry stone 14 x 8 x 4 ins., 9 ins.

in the ground, for ½ sec.cor., marked ½ on W.face; and raise a mound of stone 2 ft.base, 1½ ft.high W.of cor. Pits impracticable.

This corner falls in small ravine draining NW.

Continue over level land.

76.55 Wash 2 ft.deep, 8 lks.wide, drains NW.

Land, level, with slight slope to NW.

The cor. of secs.1,2,11, and 12.

Soil, sandy and gravelly; 3d rae.

No timber.

August (23, 1908.

Aug.23: At 9 h. 20m.30s p.m.by my watch which is 3 m. slow of local mean time, I observe Polaris at eastern elongation in accordance with instructions in the Manual, at the standard cor.of secs.34 and 35 on S. bdy.of Tp., established by myself and heretofore described, lat.40° 46' 04" N.; long. 113°58'26 " W., and Mark a point in the line thus determined by a 'tack driven in a wooden peg set in the ground 4 chs. N.of my station.

Aug. 24: At 7 h. 30 m.a.m.I lay off the azimuth of Polaris 1° 34' to the west, and mark the meridian thus determined by a nail driven in a wooden peg set in the ground west of the point established last night.

The magnetic bearing of the true meridian is: N.17°45'W.

Chains which gives the mag.decl. 17°45'E.

From said standard corner I run

N.0° 02'W.bet.secs.34 and 35 Over bench land, sloping SE.

Wash 5 ft.deep, 18 lks.wide, drains S.30° E. 19.50

40.00 Set a quartzite porphyry stone 24 x 10 x 4 ins., 18

ins.in the ground, for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W. face

dig pits 18 x 18 x 12 ins.N. and S.of stone 3 ft.dist

and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$  ft.high W.

of cor. Road bears N.60° W.

Leave bench land, and begin ascent up W.side of rocky 56.00 spur, bearing E. and W.

71.00 / Top of spur, bears NW. and East: 150 it.above root.

Descend.

Foot of spur.

Ascend S.face of samll spur.

Top of spur, bears NW. about 8 chs. 77.00

Small ravine, drains NW.

47.43

75.00

76.00

Set a quartzite porphyry stone 18 x 12 x 6 ins., 12 80.00

ins.in the ground for cor.ofsecs.26,27,34, and 35,

marked 1 notch on S. and 2 notches on E.edge; and

raise a mound of stone 2 ft.base,  $l\frac{1}{2}$  ft.high W.of

Corner falls at N. foot of spur.

cor. Pits impracticable.

Land mountainous and bench land.

Soil, gravelly and stony; 4th rate.

No timber. Mountainous land 24.00 chs.

East on a random line bet.secs.26 and 3

Set temp. 4 sec.cor.

1 -	
-	
Chains	Intersect N. and S.line 7 lks.S.of cor.of secs.25,26,35
	and 36; thence I run
	S.89° 57'W.on true line bet.secs.26 and 35,
·	Over slightly descending mountainous land.
6.00	Foot of spur, projects about 10 chs.S.
9.00	Top of spur, projects S.
	Thence along S.face of ridge.
22.00	Top of spur, projects S.25° W.
	Descend.
28.00	W.foot of precipice or spur, projects S.25° W.
	Thence over nearly level bench land.
40.00	Set a quartz porphyry stone 24 x 6 x 5 ins., 18 ins.in
	the ground for ½ sec.cor., marked ½ on N.face; and
,	raise a mound of stone 2 ft.base, 12 ft.high N.of cor.
	Pits impracticable.
49.00	Wash 6 ft.deep, 16 lks.wide, drains S.
64.00	Begin ascent E.face of spur, bearings 11. and S.
72.00	Top of spur project's about 25 chs.SW.; thence descend.
80.00	The cor. of secs. 26, 27, $3\frac{1}{4}$ , and 35.
	Land; mountainous and level.
	Soil, stony and gravelly; 4th rate.
	No timber.
•	Mountainous land 44.00 chs
	N.0° 02'W.bet.secs.26 and 27,
	Descending into ravine.
4.00	Bottom of ravine, 6 ft.deep, drains W.
7.00	Ascend over W.end of small spur, bearingiEs and W.
10.75	Top of spur, projects W.about 6 chs Descend.
11.50	Foot of spur.
18.00	Begin ascent west slope of rocky ridge bearing NE. and
	SE.

Top of ridge. Begin descent on N. face. of ridge.

SUBDIVISION OF T. 1 NO, OR. (19) W. (2)		
chains.	Set a quartz porphyry stone 24 x 10 x 6 ins., 18 ins.in	
	the ground for ½ sec.cor., marked ½ on W. face: and	
	raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft .high W.of cor.	
	Pits impracticable.	
	Corner falls on N.face of ridge.	
42.00	N. foot of ridge.	
	Thence along W. foot of spur, projects N.	
68.00	Begin ascent over W.side of spur.	
80.00	Set a quartz porphyry stone 50 x 12 x 8 ins., 22 ins.	
	in the ground, for cor.of secs.22,23,26, and 27,	
	marked with 2 notches on S. and H.edges; and raise	
	a mound of stone 2 ft.base, $1\frac{1}{2}$ ft.high W.of cor. Pits	
,	impracticable.	
•	Corner falls on NW.end of spur.	
	Land, mountainous.	
	Soil, stony and gravelly; 4th rate.	
	No timber.	
	Mountainous land 80.00 chs.	
	N.89° 57 E.on a random line bet.secs. 23 and 26,	
40.00	Set temp. 4 sec. cor.	
80.02	Intersect N. and S.line 2 lks.N.of the cor.of secs.23,	
	24,25 and 26; thence I run	
	S.89° 58'W.on a true line bet.secs.23 and 26,	
• '	Along N. face of spur.	
10.00	Begin descent into ravine.	
13.00	Ravine 6 ft.deep, drains N.	
alt on	Regin ascent steen slone bearing N. and S.	

Begin ascent steep slope bearing N. and S. Top of ridge, bears N. and S.

14.00

20.25

26.00

Begin descent over W.side of rocky ridge.

Foot of ridge. Thence over level bench land sloping to the North.

Chains. Set a quartz porphyry stone 14 x 10 x 7 ins.9 ins.in 40.01 the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on N. face; and raise a mound of stone 2 ft.base, 12 ft.high N.of cor Pits impracticable. Thence over bench land. N.end of spur, projects SE. 47.00 6g.00 Begin ascent over spur, bears N. and S. Top of spur, bears N. and S. 78.50 Descend. The cor. of secs. 22,23,26, and 27. 80.02 Land, level and mountainous. Soil stony and gravelly; 4th rate. No timber. Mountainous land 38.02 chs. N.0° 02'W.bet.secs.22 and 23, Descend over NW.end of spur. Foot of spur, projects W. 24.00 Thence over level bench land sloping NW. Set a quartz porphyry stone 28 x 8 x 6 ins., 21 ins.in 40.00 the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W.face; and raise a mound of stone 2 ft.base, it ft.high W.of cor.Pits impracticable. Thence over level land. Set a quartz porphyry stone 18 x 12 x 6 ins., 12 ins. 80.00 in the ground, for cor.of secs.14,15,22, and 23, marked with 3 notines on S. and 2 notines on E.edge; dig pits 18 x 18 x 12 ins.in each sec.  $5\frac{1}{2}$  ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high W.of cor. Land, level, bench land, and mountainous. Soil, gravelly; 4th rate. No timber.

Mountainous land 24.00 chs.

Chains N.89° 58'E.on a random line betsees.14 and 23. 40.00 Set temp: \frac{1}{4} sec.cor. \cdots 2 
80.04 Intersect Name and Saline 4 lks.N.of the cor.ofsecs.13, 14,23, and 24. Thence I run and a 1 . . . . .

West on a true line bet.secs.14 and 23,

Descend along S.side of spur.

8.00 . W. foot of spur; bears N. and S.

25.00

40.02

48.00

80.04

Wash, 3 ft.deep, 6 lks.wide, drains N.

Set a quartz porphyry stone 16 x 8 x 6 ins., 11 ins.

in the ground for  $\frac{1}{2}$  sec.cor., marked  $\frac{1}{2}$  on N. face; and

raise a mound of stone 2 ft.base, 12 ft.high N.of

cor.Pits impracticable.

Thence over rolling land.

Wash, 2 ft.deep, 5 lks.wide, drains NW.

The cor.of secs.14,15,22, and 23.

Soil, sandy and gravelly; 3d rate.

Land, mountainous, bench land, and rolling.

No timber.

Mountainous land 8.00 chs.

August 24, 1908.

409 46! 04" N.; long. 1130 59! 38" W., and mark a point

August 24: At 9 h. 16.6 m. by my watch, which is 3 m.

slow of l.n.t., I observe Polaris at eastern elonga-

tion, in accordance with instructions in the Manual,

at the standard cor. of secs. 33 and 34 on Stbdy. of Tp.

established by myself and heretorore described, lat.40°

in the line thus determined by a tack driven in a

wooden peg set in the ground 4 chs.N.of my station.

The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s

80.10

	SUBDIVISION OF T. 1 N., R. 19 W.
¥	
Chains	
	August 25, at 7 h. 30 m.a.m.l.m.t.I lay off the azimuth
	of Polaris 1° 34' to the west and mark the meridian
*	thus determined by a nail driven in a wooden peg set
	in the ground, west of the point established last
	night.
	The magnetic bearing of the true meridian is Ni. 17045 W.
	which gives the mag.decl. W.17° 45'E.
	From the standard cor. already described I run
	N.0° 03!W.bet.secs.33 and 34,
,	Along E.face of rocky ridge.
20.01	Begin ascant of rocky ridge bears E. and W.
40.00	Set a limestone 16 x 14 x 8 ins., 11 ins.in the ground
	for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; and raise a mound
	of stone 2: ft.base, l ft.high W.of cor.Pits imprac-
51.50	ticable. Corner falls on E.slope of rocky ridge. about 300 It.above sec.cor. Top. E.slope of rocky ridge; begin descent over N.end of
	ridge. about 250 it. above ½ s ec.cor.
62.00	Foot of ridge bears NW. and SE.
74.85	Wash 4 ft.deep, 8 lks.wide, drains E.about 400 it.below
80.00	Set a sandstone 20 x 14 x 4 ins., 15 ins.i n the ground
	for cor.of secs.27,28,33, and 34, marked with 1 notch
	on S. and 3 notches on E.edge; and raise a mound of
	stone 2 ft.base, 11/2 ft.high W.of cor. Pits imprac-
	ticable.
	Land, mountainous.
	Soil, rocky; 4th rate.
	No timber.
† · · · · · · · · · · · · · · · · · · ·	
	East on a random line bet.secs.27 and 34,
40.00	Set temp. 1/4 sec. cor.

Intersect N. and S.line 12 lks.S.of the cor.ofsecs.

26,27,34, and 35. Thence I run

	SUBDIVISION OF T. 1 H., R. 19 W.	
Chains	·	2
2.00 3.10	Ascending NE.slope of spur. Wash 3 ft.deep.15 1ks.wide, drains NW. Top of spur, bears NW. and SE.	
8.60	Foot of spur; thence over nearly level land sloping to	
	the south.	
26.00	Wash 3 ft.deep, 8 lks.wide, drains S.	
28.00	Foot of spur, projects about 10 chs.SE.	
34.00.	Top of spur, bears NW. and SE. Descend.	
39.00	Foot of spur.	
40.05	Set a limestone 15 x 14 x 6 ins., 10 ins.in the ground	
	for ½ sec.cor., marked ½ on N.face; and raise a mound	
	of stone 2 ft.base, 1 ft.high N.of cor. Pits imprac-	
	ticable.	
42.00	Begin ascent over small spur, projects S.about 12 chs.	
49.00	Top of spur; thence descend.	
52.00	W.foot of spur, bears N. and S.	
52.58	Road, bears H. and S.	
56.00	Wash 3 ft.deep, 10 lks.wide, drains S.20° E.	
	Thence over rolling bench land.	
g0.10	The col. of secs. 27,28,33, and 34.	
	Land, rolling and nearly level.	i
,	Soil, gravelly 3d rate.	ĺ
•	No timber.	
•		
	H.0° 03'W.bet.secs.27 and 28,	
	Ascend along E.face of spur, bears N. and S.	
34.00	Top of E.face of spur bears E. and W. Descend from spur.	
39.00	Foot of spur, bears NW. and SE.	
40.00	Set a quarty porphyry stone 20 x 10 x 4 ins., 15 ins.in	
	the ground for & sec.cor., marked & on W.face; and	
	raise a mound of stone 2 ft.base, 12 ft.high W.of cor	
	Pits impracticable.	İ

Corner falls on NE: foot of spur.

		SUBDIVISION OF T. 1 N., R. 19 W.
	Chains	. Thence over level bench land
	51.75	Road bears N.30° W. and S.30°E.
	80.00	Set a quartz porphyry stone 16 x 8 x 4 ins., 11 ins.in
		the ground for cor.of secs.21,22,27, and 28, marked
		with 2 notches on S. and 3 notches on E.edge; dig pit
		18 x 18 x 12 ins.in each sec. $5\frac{1}{2}$ ft.dist.; and raise a
		mound of earth 4 ft.base, 2 ft.high W.of cor.
		Land, mountainous and level.
		Soil, stony and gravelly 4th rate.
		No timber.
		Mountainous land 40.00 chs.
	·	,
		N.89° 55'E.on a random line bet.secs.22 and 27,
	40.00	Set temp. 1/4 sec.cor.
	.80 <b>.</b> 00	Intersect N. and S.line 10 lks.N.of the cor.of secs.22,
		23,26, and 27. Thence I run
		N.89° 59'W.on a true line bet.secs.22 and 27,
		Over level bench land.
	40.00	Set a quartz porphyry stone 14 x 8 x 6 ins. 9 ins.in
		the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; dig
		pits 18 x 18 x 12 ins.E. and W.of stone 3 ft.dist.;
		and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high N.
		of corner.
	80.00	The cor.of secs.21,22,27, and 28.
		Land, level bench land sloping N.
		Soil, gravelly; 4th rate.
		No timber.
	,	N.0° 03'W.bet.secs.21 and 22,
		Over bench land.
	40.00	Set a quartz porphyry stone 14 x 7 x 6 ins., 9 ins.in
1	1	

the ground, for  $\frac{1}{4}$  sec.cor, marked  $\frac{1}{4}$ , on. W. face; dig

Chains pits 18 x 18 x 12 ins.N. and S.af stone 3 ft.dist.; ratio | 1 and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$  fthhigh W. of cortain and an area Set a quartz porphyry stone 20 x 6x 6 ins., 15 ins.in 80:00 the ground for cor.of secs.15,16,21, and 22, marked T 1 N on NE., and R 19 W on SE., with 3 notches on S. and E.edges; dig pits 18 x 18 x 12 ins.in each sec.  $5\frac{1}{2}$  ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high W. of cor. mLand, level . Soil, gravelly; 4th rate. No timber. S.89° 59'E.on a random line bet.secs.15 and 22 Set temporary ½ sec.cor. 40.00 Intersect N. and S.line 2 lks.N.of cor.of secs.14,15, 80.00-22, and 23. Thence I run West on a true line bet.secs.15 and 22, Over level bench land. Set a quartz porphyry stone 15 x 8 x 6 ins., 10 ins.in 40.00 the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on N. face; dig pits 18 x 18 x 12 ins.E. and W.of stone 3 ft.dist.; and raise a mound of earth 3 to ft.base, 1to ft.high N. of cor. The cor. of secs. 15, 16, 21, and 22. 80.00 Land, level bench land, sloping N. Soil, gravelly; 3th rate. August 25, 1908. No timber.

August 25: At the cor.of secs.14,15,22, and 23, lat.

		SUBDIVISION OF T. 1 N., R. 19 W.
	Chains	p.m.by my watch, which is 3 m. slow of h.m.t., I gar
	•	observe Polaris at eastern elongation in accordance
		with instructions in the Manual, and mark a point in
	*	the line thus determined by a tack driven in a woode
		, peg set in the ground 4 chs.N.of my station.
	• •	
	: -	August 26: At 7 h. 30 m. a.m.I lay off the azimuth of
		Polaris 19 34' to the west and mark the meridian thus
		determined by a nail driven in a wooden peg set in
		the ground west of the point established last night.
		The magnetic bearing of the true meridian is N.17050! W
		which gives the mag.decl. 17°50'E.
	w* 1	Thence I run
		N.0° 02' W.bet.secs.14 and 15;
	•	Over level bench land.
	40.00	Set a blue quartzite stone 16 x 16 x 8 ins., 11 ins.in
	* 4 ' *	the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W. face; and
		raise a mound of stone 2 ft.base, 12 ft.high W.of
		cor.Pits impracticable.
	80.00	Set a quartz porphyry stone 16 x 8 x 6 ins., ll ins.in
	* . \	the ground for cor. of secs. 10, 11, 14, and 15, marked
	,	with 4 notches on S. and 2 notches on E.edge; dig
	;•.	pits 18 x 18 x 12 ins.N. and S.of stone 3 ft.dist.;
	•	and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high W.
		of cor.
		Land, level.
-		Soil, gravelly; 4th rate.
		No timber.
	,	
1		

40.00

Intersect N. and S.line at the cor.of secs.11,12,13,

East on a random line bet.secs.11 and 14,

Set temp.  $\frac{1}{4}$  sec.cor.

.80.06

an

Chains. and 14. Thence I run

West ona a true line bet.secs.ll and 114,

Over level banch land.

Set a quart porphyry stone 12 x 8 x 6 ins., 9 ins.in

40.03

80.06

19.50

40.00

51.00

53.00

80.00

 $\frac{1}{4}$  the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on N. face; dig

pits 18 x 18 x 12 ins.E. and W.of stone 3 ft.dist.;

and raise a mound of earth 3 ft. base, 1 ft. high N.

The cor. of secs. 10, 11, 14, and 15.

Land, level.

Soil, gravelly; 4th rate.

No timber.

Over level bench land.

N.0° 02 W.bet.secs.10 and 11,

cor.Pits impracticable.

Land, level.

No timber.

Wash 3 ft.deep, 2 lks.wide, drains NW.

Set a quartz porphyry stone 14 x 8 x 6 ins. 9 ins.in

the ground for  $\frac{1}{4}$  sec.cor. marked  $\frac{1}{4}$  on W.face; and

raise a mound of stone 2 ft.base, 12 ft.high W.of

Wash 2 ft.deep, 6 lks.wide, drains NW.

Wash 2 ft.deep, 7 lks.wide, drains NW.

Set a quartz porphyry stone 14 x 6 x 6 ins., 9 ins.in

the ground for cor. of secs. 2,3,10, and 11, marked with 5 notches on S. and 2 notches on E.edge; dig

pits 18 x 18 x 12 ins.in each sec.  $5\frac{1}{2}$  ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high W.of cor.

Soil, gravelly and sandy 4th rate.

	Chains	East on a random line bet.secs.2 and 11,
	40.00	Set temp. ½ sec. cor.
	80.10	Intersect N. and S.line 5 lks.N.of the cor.of secs.1,2,
		11, and 12. Thence I run
	,	. N.89° 58'W.on a true line bet.secs.2 and 11,
	;. ,	. Over level land
	12.50	. Wash 3 ft.deep, 8 lks.wide, drains NW.
	20.00	Wash 2 ft.deep, 8 lks.wide, drains NW.
	35.00	Wash 3 ft.deep, 6 lks.wide, drains NW.
	40.05	Set a quartz porphyry stone 18 x 10 x 6 ins., 12 ins.
		in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; dig
		pits 1g x 1g x 12 ins.E. and W.of.stone 3 ft.dist.;
	•	and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high N.
		of cor.
	49.00	Foot of sand ridge extends NW. 4 chs. and SE. 6 chs.
	50.00	Top of sand ridge bears NW. and SE.
	5 <b>1.</b> 00	Foot offisand ridge bears NV. and SE.
	57.00	Wash 3 ft.deep, 8 lks.wide., drains NW.
	g0.10	The cor. of secs. 2,3,10, and 11.
	•	Land, level.
		Soil, sandy and gravelly; 4th rate.
	,	No timber.
	×	
		N.0° 02'W.on random line bet.secs.2 and 3,
	40.00	Set temp. 1/4 sec.cor.
	79•47	Intersect N.bdy.of Tp. 12 lks. E.of the cor.ofs ecs.2,3,
		34 and 35, established by myself and heretofore de-
		scribed. Thence I run
		S.0° 07'E.on a true line bet.secs.2 and 3,
-		Over level bench land.
	39.47	Set a quartz porphyry stone 16 x 10 x 6 ins., 11 ins.
		in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; and
		raise a mound of stone 2 ft.base, 12 ft.high W.of cor
		Pits impracticable.
1	1	

N	
Chains 79.47	The cor.of secs.2,3,10 and 11.
	Land nearly level.
•	Soil, gravelly; 4th rate.
	No timber. Noon Aug. 26, 1908.
	I return to the cor.of secs.15,16,21, and 22, and continue my line
	N.0° 03'W.bet.secs.15 and 16,
, ,	Over nearly level land.
40.00	Set a quartite porphyry stone 16 x 8 x 4 ins., 11 ins. in the ground for $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12
. •	ins.N. and S.of stone 3 ft.dist.; and raise a mound
	of earth 31 ft.base, 12 ft.high W.of cor.
80.00	Set a quartzite porphyry stone 16 x 8 x 4 ins., 11 ins.
v.	in the ground, for cor.of secs.9,10,15, and 16,
· •	marked with 3 notches on E. and 4 notches on S.edge;
١ ٠	dig pits 18 x 18 x 12 insteach sec. $5\frac{1}{2}$ ft.dist.; and
• •	raise a mound of earth 4 ft.base, 2 ft.high W.of cor.
	Land, level.
	Soil, gravelly; 4th rate.
	No timber.

Set temp. 1/4 sec.cor.
Intersect N. and S.line 4 lks.N.of the cor.of secs.10,

East on a random line bet. secs. 10 and 15,

N.89° 58 W.on true line bet.secs.10 and 15

11,14, and 15. Thence I run

Over nearly level land.

40.00

80.04

\* 5 5 4 4 0 0 0

40.02

Set a quartite porphyry stone 14 x 8 x 5 ins., 9 ins. in the ground, for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on N. face

dig pits 18 x 18 x 12 ins.E. and W.of stone 3 ft. dist., and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$  ft.

#### SUPPLYISION OF Tail Na. R. 19 W.

		SUEDIVISION OF T 1 N. R. 19 W.
	Chains	high N.of cor.  The cor.of secs.9,10,15, and 16.  Land, level.  Soil, gravelly; 4th rate.  No timber.
	40.00	N.0° 03 W.bet.secs.9 and 10, Over nearly level land. Set a quartzite porphyry stone 16 x 8 x 4 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face;
		dig pits 18 x 18 x 12 ins.N. and S.of stone 3 ft.dist and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high W. of cor.
. •	80.00	Set a quartzite porphyry stone 16 x 8 x 4 ins., 11 ins. in the ground, for cor.of secs.3,4,9, and 10, marked with 3 notches on E. and 5 notches on S.edge; dig pits 18 x 18 x 12 ins.in each sec. $5\frac{1}{2}$ ft. dist., and
2	3 .	raise a mound of earth 4 ft.base, 2 ft.high W.of cor. Land, level. Soil, gravelly; 4th rate.
	-	No timber.
	40.00 80.06	S.89° 58'E.on a random line bet.secs.3 and 10,  Set temp. 1/2 sec.cor.  Intersect N. and S.line 2 lks.N.of cor.of secs.2,3,10,  and ll. Thence I run
	40.03	N.89° 57'W.on true line bet.secs.3 and 10,  Over nearly level land.  Set a limestone 22 x 6 x 5 ins., 16 ins.in the ground
		for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; dig pits 18 x 18 x 12 ins.E. and W.of stone 3 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.bæe, $1\frac{1}{2}$ ft.high N.of cor.

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	SUBDÍVISION OF T. 1 N., R. 19 W.
Chains	The cor. of secs. 3,4,9, and 10. The cor. of secs. 3,4,9,
	Land, level.
•	Soil, gravelly; 4th rate.
•	TNo timbers of more than the large of the large of
	e e e e e e e e e e e e e e e e e e e
,	
, · .	N.0° 03'W.on random line bet.secs.3 and 4,
40.00	Set temp. + sec.cor. * [ ( ) * ) * * * * * * * * * * * * * * * *
79-37	Intersect N.bdy.of the a township at the cor.of secs.3,
,	4,33, and 34, established by myself and heretofore
	described. Thence I run
	.s.0° 03'E.on true line bet.secs.3 and 4,
	Over nearly level land:
11.37	Wash 2 ft.deep, 10 lks.wide, drains N.25° W.
39•37	Set a quartzite porphyry stone 15 x 9 x 4 ins., 10 ins.
	in the ground, for t sec.cor. dig its 18 x 18 x 12
٠.	ins.N. and S.of stone 3 ft.dist.; and raise a mound
٠.	of earth 3½ ft.base, 1½ ft.high.W.of cor.
79•37	The cor. of secs. 3, 4, 9. and 10.
	Land, level. Soil, gravelly; 4th rate. August 26, 1908. No timber.
	Aug.26
	Sky overcast during the entire night, observation on
	Polaris impossible.
	Aug.27: At the standard cor. of secs. 32 and 33 on S.bdy.
	of Tp., established by myself and heretofore describe
	I sainup my transit on tangent 14.0 lks.S.of cor.,
	and turn 90% to the north.
, .	Thence I run from the corner .
	N.0° 03'W. bet.secs.32 and 33,
	Ascending over bench land.
12.00	Wash 5 ft.deep, 20 lks.wide, drains S.60° E.

Ascend. over west slope of nearly round peak bearing

E. and W.

chains.
20.00 Highest point reached on W.slope. about 150 Pt. above.

27.50 Foot of peak bears E. and W. Thence along small divide between peak and ridge.

30.09 Ravine 4 ft.deep, drains E. Ascend.

for \(\frac{1}{4}\). sec.cor. marked \(\frac{1}{4}\) on W. face; and raise a mound of stone 2 ft.base, \(\frac{1}{2}\) ft.high W.of.cor. Pits impracticable.

45.00 . Highest point reached on E.slope of spur.50 it.above 4

Discoider. Lescend.

63.50 Foot of spur, projects about 8 chs.NE.

75.50 Top of spur projects NE. Descend.

80.00 Foot of spur,

Set a limestone 18 x 12 x 8 ins., 12 ins.in the ground for cor.of secs.25,29,32, and 33, marked with 1 notch on S. and 4 notches on E.edges; and raise a mound of stone 2 ft.base, 1½ ft.high.W.of cor. Pits impracticable.

Land, nountainous.

Soil, rocky 4th rate.

No timber.

Mountainous land 80.00 chs.

Bast on a random line bet.secs.28, and 33,

40.00 Set temp. | Rec.cor.

79.96 Intersect W. and S.line W lks.N.of the cor.of secs.27, 28,33, and 34.

Themso I sun

N.ECo 56 tr.on true line bet.secs.28 and 33,

Over nearly level land.

5.00 Ravine 3 st.deep drains S.60° E.

Ascend.

Chains	
22.00	Foot of spur, projects N. 8 ohs. Ascend.
29.00	Top of spur. about 75 ft. above sec.cor. Descend.
33.00	Foot of spur projects S.25° W. Thence over nearly level
	land.
39.98	Set a quartzite porphyry stone 18 x 10 x 4 ins., 12
	ins.in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on V. face
	and raise a mound of stone 2 ft.base, 12 ft.high N.of
	cor.Pits impracticable.
75.00	Foot of spur, projects about 2 chs.NE. Ascend.
78.00	Top of spur projects NE. Descend.
79.96	Foot of spur and cor.of secs.28,29,32, and 33.
.14 1	Land level and mountainous.
	Soil, gravelly; 4th rate.
	No timber.
- : :	Mountainous land 71.96 chs.
:	
•	And the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t
•	West on true line bet.secs.29 and 32,
	Ascending over N.slope of spur.
25.00	Top of spur, projects about 12 chs.N.; thence descend
	over north slope of spur.Spur 350 It.above sec.cor.
40.00	Set a limestone 12 x 8 x 6 ins., 8 ins.in the ground,
	for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; and raise a mound
	of stone 2 ft.base, 12 ft.high N.of cor. Pits im-
•	practicable. This cor. about 250' it. below top of spur.
43.75	Wash 5 ft.deep, 20 lks.wide, drains N.
٠,,	Ascend over small spur, bears N. and S.
48.30	Top of spur, projects about 5 chs.north; descend.
48.42	Intersect Utah-Nevada Bdy.lone S.00 32 W.10.15 chs.
	from 37th mile corner, established by myself and here
	tofore described.
* 7	Set a limestone 12 x 10 x 7 ins., 8 ins.in the ground
. t .	for closing cor.of secs.29 and 32, marked C C U on E.
***	the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract o
1	N on W., with 1 groove on S. and 5 grooves on N. face.

		SUBDIVISION OF T. 1 N. R. 10 W.
	Chains	and raise a mound of stone 2 ft.base, 12 ft.high E. of cor.Pits impracticable. Land, mountainous.
		Soil, gravelly; 4th rate.
	,	No timber.
		Mountainous land 48.42 chs.
	,	
	<u>.</u> .	N.0° 03 W.bet.secs. 28 and 29,
		Descending.
	4.00	Foot of rapid descent bears E. and W.
	40.00	Set a limestone 14 x 12 x 4 ins., 9 ins.in the ground for
		$\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; dig pits 18 x 18 x 12
		ins.N. and S.of stone 3 ft.dist.; and raise a mound
		of earth 3 ½ ft.base, 1½ ft.high W.of cor.
	go.00	Set a quartzite porphyry stone 18 x 10 x 4 ins., 12
		ins.in the ground, for cor.ofsecs.20,21,28, and 29
		marked with 2 notches on S. and 4 notches on E.edge;
	;	and raise a mound of stone 2 ft.base, 12 ft.high W.
		of cor.Pits impracticable.
		Land, mountainous.
		Soil, rocky; 4th rate.
	_	No timber.
		Mountainous land 80.00 chs.
	· <u> </u>	
		S.89° 56'E.on a random line bet.secs.21 and 28,
	40.00	Set temp. sec.cor.
	79.98	Intersect N. and S.line at the cor. of secs. 21, 22, 27,
		and 28. Thence I run
		N.89° 56'W.on true line bet.secs.21 and 28,
		Over nearly level land.
	28.27	Road bears NW. and SE.
	39.99	Set a quartzite porphyry stone 14 x 8 x 5 ins., 9 ins.
		in the ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.fæe; dig
		pits 18 x 18 x 12 ins.E. and W.of stone 3 ft.dist.;
1	1	

-29-

SUBDIVISION OF T. 1 N., R. 19 W.

and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$  ft.high N. of cor. The cor. of secs. 20, 21, 28, and 29. 79,98 Land, nearly level. Soil, gravelly; 4th rate. in timber. West on true line bet.secs.20 and 29, Over mountainous land, Foot of limestone spur, projects about 8 chs.NE. 36-00 Set a limestone 24 x 12 x 10 ins., 18 ins.in the ground 40.00 for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on N. face; and raise a mound of stone 2 ft.base, 11 ft.high N.of cor.Pits impracticable. Top of spur, projects NE. about 75 rt. above foot. 44.00 Intersect Utah-Nevada Bdy.line South 8.79 chs.from the 47.98 36th mile cor., which is a limestone 14 x12 x 8 ins. set in a mound of stone 3 ft.base, 2 ft.high, marked Utah on E., Nevada on W., 36 M on S.face. Set a limestone 14 x 7 x 6 ins., 9 ins.in the ground, for closing cor.of fractional secs.20 and 29, marked C C U on E., N on W., with 4 grooves on N. and 2 grooves on S.face, and raise a mound of stone 2 ft. base, 12 ft.high E.of cor. Pits impracticable. Land, mountainous. Soil, gravelly; 4th rate. No timber. The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s N.0° 03'W.bet.secs.20 and 21

Over nearly level land.

Set a limestone 16 x 10 x 5 ins., ll ins.in the ground, for \( \frac{1}{4} \) sec.cor., marked \( \frac{1}{2} \) on W.face; and raise a mound of stone 2 ft.base, \( \frac{1}{2} \) ft.high W.of cor.Pits imprac-

#### ש פר די מה די או ייחדצדעדיתאווף

1	Chains	ticable.
-	75.00	Road bears NW. and SE.
-	76.73	Wash 2 ft.deep, 15 lks.wide, drains NW.
8	30.00	Set a quartzite porphyry stone 20 x 9 x 4 ins., 15 ins.
	)	in the ground, for corr. of secs. 16,17,20, and 21,
		marked with 3 notches on S. and 4 notches on E.edge;
-		dig pits 18 x 18 x 12 ins.in each sec. $5\frac{1}{2}$ ft.dist.; and
		raise a mound of earth 4 ft.bæe, 2 ft.high W.of cor.
		Land, nearly level.
		Soil, gravelly; 4th rate.
		No timber.
		and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second o
"	• ;	S.89° 56'E.on a random line bet.secs.16 and 21
4	0.00	Set temp. 1/4 sec.cor.
8	0.00	Intersect N. andS.line 2 lks.N.of the cor.of secs.15,16,
		21 and 22. Thence I run
-		N.89° 55'W.on true line bet.secs.16 and 21,
		Over nearly level land.
4	0.00	Set a quartzite porphyry stone 14 x 7 x 4 ins., 9 ins.
	•	in ththe ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N. face;
-	•	dig pits 18 x 18 x 12 ins.E. and W.or stone 3 ft.dist.
		and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high N.
		of cor.
8	0.00	The cor.of secs.16,17,20, and 21.  Land nearly level.  Soil, gravelly; "th rate. No timber."
4	;	· · · · · · · · · · · · · · · · · · ·
	ļ	West on true line bet.secs.17 and 20,
•		Over nearly level land.
	2.00	Wash 2 ft.deep, 15 lks.wide, drains N.5°W.
1	8.00	Road bears NW. and SE.
4(	0.00	Set a limestone 14 x g x 6 ins., 9 ins.in the ground
,	, , , , , , , , , , , , , , , , , , ,	for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; dig pits 18 x 18
	1	x 12 ins.E. and W.of stone 3 ft.dist.; and raise a
-	1	

Chains

47.66

mound of earth 3 ft.base, 1 ft.high N.of cor. Intersect Utah-Nevada Bdy.line at South 8.59 chs. from the 35th mile cor., which is a mound of earth 6 ft. base, 2 ft.high; post decayed. I set a limestone 24

x 19 x 8 ins. in center of this mound 18 ins.deep,

marked U on E, N on W., 35 M on S.face.

Set a limestone 15 x 8 x 7 ins., 10 ins.in the ground for closing cor.of fractional secs.17 and 20, marked C.C.U. on E., N on W., with 3 grooves on N. and S.faces; .. dig pitse24 x 18 x 12 ins.crosswise on each line N. and S. 3 ft.and E.of. stone 7 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high E.of cor.

Land, level.

Soil, gravelly; 4th rate.

No timber.

Thence, I run

August 27, 1908. .

August 27: At the cor. of secs. 16, 17, 20, and 21; lat. 40 48 '40 " N.; long. 114°01.'52 " W., at 9 h. 05 m.pem. by my watch which is 3 m.slow of 1.m.t.I observe Polaris at eastern elongation in accordance with Manual of instructions, and mark a point in the line thus determined by a tack driven in a wooden peg set in the ground 4 chs.N.of my station.

Aug. 28: At 7 h. 30 m.a.m.I lay. off the azimuth of Po-. laris 1° 34' to the west and mark the maridian thus determined by a tack driven in: a wooden peg set in the ground west of the point established last night. The magnetic bearing of the true neridian is N.17°50'W. which gives the mag.decl. 17°50'E.

N.00 03 W.bet.secs.16 and 17; Chains · Over nearly level land, Wash 2 ft.deep, 10 lks.wide, drains N.5° E. 20.00 Set a limestone 16 x 10 x  $\mu$  ins., 11 ins.in the ground, 40.00 for \frace; dig pits 18 x 18 x 12 ins.N. and S.of stone 3 ft.dist.; and raise a mound of earth 3 tt.base, 12 ft.high W.of cor. Set a conglomerate stone 14 x 8 x 6 ins., 9 ins.in the 80.00 ground, for cor.of secs.8,9,16, and 17, marked with 4 notches on S. and E.edges; dig pits 18 x 18 x 12 ins.in each sec.51 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high W.of cor. Land nearly level. Soil, gravelly; 4th rate. . No timber, . S.89° 55'E.on a random line bet.secs.9 and 16. 40.00 80.02 Intersect. N. and S.line 4 lks.S.of the cor.of secs.9,10 15, and 16: Thence I run N.89° 57'W.on true line bet.secs.9 and 16, . Over nearly level land. 3. Set a sandstone 15 x 8 x 5 ins., 10 ins.in the ground, for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on N. face; dig pitsels noisd x 12 ins.E. and W.of stone 3 ft.dist.; and raise a mound of earth 3 ft.base, 1 ft.high N.of cor. The cor. of secs. 8,9,16, and 17. Land, nearly level. Soil, gavelly; 4th rate. No timber.

West on true line bet.secs.8 and 17,

Chains Over nearly level land. Set a quartzite porphyry stone 20 x 16 x 12 ins., 15 40.00 ins.in the ground, for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on N.face; and raise a mound of stone 2 ft.base, 12 ft.high N. of cor. Pits impracticable. 47.34 Intersect Utah-Nevada Bdy.line at S.8.79 chs.from the 34th mile cor., which is a sawed pine post 6 ins.sq. 3 ft.above mound of earth 6 ft.base 2 ft.high, scribed W 37 on N., Utah on E., Nevada on W., 34 M on S. face Set a limestone 20 x 12 x 8 ins., 15 ins.in the ground for closing corner of fractional secs.8 and 17, marked C. C. U. on E., N on W., 2 grooves on N. and 4 grooves on S.faces; dig pits 24 x 18 x 12 ins.crosswise on each line N. and S. 3 ft.and E.of stone 7 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high E.of cor. Land, nearly level. Soil, gravelly; 4th rate. No timber.

N.0° 03'W.bet.secs.8 and 9,

Over nearly level land.

40.00

g0.00

Set a conglomerate stone 24 x 12 x 4 ins., 18 ins.in the ground for  $\frac{1}{2}$  sec.cor., marked  $\frac{1}{2}$  on W.face; dig pits 18 x 18 x 12 ins.N. and S.of stone 3 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$  ft.high W. of cor.

Set a quartzite porphyry stone 14 x 8 x 6 ins. 9 ins.in
the ground for cor.of secs. 4,5,8, and 9, marked with
4 notches on E. and 5 notches on S.edge; dig pits 18
x 18 x 12 ins.in each sec.5½ ft.dist.; and raise a
mound of earth 4 ft.base 2 ft.high W.of cor.
Land, nearly level.

-34---

SUBDIVISION OF T. 1 N. (R. 19 W C.)

,	Chains	. Soil, gravelly; 4th rate: " the reserve to the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the co
		· Not timbér.
:		and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second o
1		S.89° 57'E.on a random line bet.secs.4 and 9,
	40.00	Set :temp. Lisec.cor. 1977 - 1977 - 1978 - 1979 - 1979 - 1979
	80.04	Intersect N. and S.line at the cor. of secs. 3,4,9, and
, -		10. Thence I run
	· • •	N.89% 57 W.on true line bet.secs.4 and 9,
	· · · · · · ·	Over nearly level land.
	40,02	Set a congromerate stone 12 x 8 x 6 ins., 8 ins in the
	r + ,	ground for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.fæse; dig pits
	, 7	18 x 18 x 12 ins.E. and W.of stone 3 ft.dist.; and
	: • •	raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high N.of
	:· •	cor. Cor.
1	80.04	The cor.of secs.4,5,8, and 9.
		Land, nearly level.
		Soil, gravelly; 4th rate.
		No timber.
	Ì	W.0° 03'W.on random line bet.secs.4 and 5
1	+0.00	Set temp. ½ sec.cor.
7	79•30	Intersect N.bdy.of Tp. at the cor.of secs.4,5,32, and
	, , ,	33, established by myself and heretofore described.
	: .	Thence I min.
		S.0° 03'E.on true line bet.secs.4 and 5,
		Over nearly level land.
1.3	39.30	Set a quartzite porphyry stone 14 x 9 x 5 ins., 9 ins.
.		in the ground for $\frac{1}{4}$ sector., marked $\frac{1}{4}$ on N.face; and
	, ,	raise a mound of stone 2 ft.bæe, $1\frac{1}{2}$ ft.high W.of cor
		Pits impracticable.
7	79.30	The cort of secs. 4,5;8; and 9 in the
		Land, nearly level.
<u></u>		

Chains (Soil, gravelly; 4th rate. 1997)

No timber.

West on true lline bet.secs.5 and 8 ...

Over nearly level land.

Set a limestone 20 x 14 x 5 ins., 15 ins.in the ground for \(\frac{1}{2}\) sec.cor., marked \(\frac{1}{2}\) on N.face; and raise a mound of abone 2 ft.base, 1\(\frac{1}{2}\) ft.high N.of cor. Pits im-

practicable.

47.02

Intersect Utah-Nevada Bdy.line at S.5.95 chs. from the 33d mile cor., which is a blue limestone 15 x 12 x 8 ins., set in a mound of stone 3 ft.base, 2 ft.high, marked Nevada on W., Utah on S. and 33 on SW. face. Set a limestone 14 x 8 x 6 ins., 9 ins.in the ground for closing cor.of fracl.secs.5 and 8, marked C C U on E., N on W., with 1 groove on N. and 5 grooves on S.faces; and raise a mound of stone 2 ft.bæe, 1½

Land, nearly level.

Soil, gravelly; 4th rate.

No timber.

Aug.28, 1908.

#### GENERAL DESCRIPTION.

ft.high E.of cor. Pits impracticable.

This township is very rough and mountainous in the southeastern and southwestern portions, rolling in the interior, and nearly level in the northern.

The township contains no water. There is no timbeber. There is a scattering growth of shadscale and greasewood brush, on which sheep graze in winter.

The soil in the mountainous portions is very stony

and rough; in the interior it is gravelly; and in the northern portion gravelly and sandy.

The township is unfit for agriculture. There are no settlers in the township. I found no indications of mineral in the township.

Robert E. L. Collind U.S.Deputy Surveyor.

## FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

#### LIST OF NAMES.

A list of the names of the individuals employed by	
, United States Deputy Surveyor, to assist in running,	neasuring, and
rking the lines and corners described in the foregoing field notes of the survey of	
wing the respective capacities in which they acted:	
or list of names and Tinal oaths of assistants see book "L	", Chainman.
r. 2 S., R. 17 W.	, Chainman.
	., Moundman.
	., Moundman.
	, Axman.
	., Axman.
·	., Flagman.
FINAL OATH OF ASSISTANTS.	
We hereby certify that we assisted	
, United States Deputy Surveyor, i	n surveying all
se parts or portions of the	
······································	
of the	
meridian, of, which	are represented
the foregoing field notes as having been surveyed by him and under his direction; and to been in all respects, to the best of our knowledge and belief, well and faithfully surner monuments established, according to the instructions furnished by the United S	veyed, and the
neral for	
	, Chainman.
	-, Chainman.
	., Moundman.
·	, Moundman.
·	, Axman.
	, Axman.
·	, Flagman.
oscribed and sworn to before me this	
day of	
- 600000 6 SEAL 6 6000000	
avs	

## FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

	,
I,	"United States Deputy Surveyor,
solemnly swear that, in pursuance of a cont	ract received from
United States Surveyor General for	, bearing date of
day of	, 190 , I have well, faithfully, and truly, in my c
proper person, and in strict conformity wit	th the instructions furnished by the United States Suive
	, the Manual of Surveying Instructions, and the laws of
United States, surveyed all those parts or p	ortions of
For final affidavit see book	"L" T. 2 S., R. 17 W.
	of the
	of, which are represented in
	red by me, and under my direction; and I do further solem
	the special written instructions of the United States Surv. nd in the specific manner described in the field notes, and such survey.
	Robert E. L. Collection United States Deputy Surve
O-11 - 1 11	and sureup to before ma)
Subscribed by said	
thisday of	
DOCCOO O SEAL O OCCOO OCCOO	
	APPROVAL.
OFFICE OF THE UN	ITED STATES SURVEYOR GENERAL,
	Salt Lake City, Utah, January 21, 19
The foregoing field notes of the surve No.1 North, Range No. 19 Wes	y of the subdivisional lines of Townshist of the Salt Lake Base and Meridian,
Utah,	
•	
executed by Robert E.L.	Collier
	March 5. , 190 8, having
	rections and explanations malle, the said field notes, and
surveys they describe, are hereby approved.	
·	I homastell
	United States Survey Sc.
	t of the field notes of the above-described surveys in
, nas been	correctly copied from the original notes on file in this offic

United States Surveyor Ger

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# **PAGE**

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BOOK A-346

## FIELD NOTES

OF THE SURVEY OF THE

OCT / 1908

	OF THE SURV	VEY OF THE	
<i>;</i> ;	S.O.U.T.H.B.O.	UNDARY	
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:	0 F		
	TOWNSHIP NO.	l south	
	RANGE NO. 1	9 West	
OC 17.		ACE AND ar	`
•		ASE AND	
1	AS SURVI		,
Robert E. I. C	ollier	, United Sta	tes Deputy Surveyor,
der his Contract No	301 , dated	liarch 5,	, 190 <sup>g</sup> •
vcy commenced	August	30,	, 190 <sup>g</sup> .
vey completed	August	31,	, 190 <sup>8</sup> •

5-29-12 Closing 12-29

### NAMES AND DUTIES OF ASSISTANTS.

	Ralph Gentry,	Chainman.
	David Sharp Jr.,	Chainman.
	R.Harold Browne,	Moundman.
	Ralph M.Mind,	Flagman.
For preliminary	affidavits see book	"C" T. 1 N., R. 19 W.
-		· · ·
		,
		· · · · · · · · · · · · · · · · · · ·

## 500K A-346

## INDEX DIAGRAM.

Town	rship1	South	, Range.	19 rest	and the state of
c	4	•	±.	2	1
7	5	9	10	11	12
18	17	16	15	14	13
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14	14	3	2	2	1

Meanders Page.....

## PRELIMINARY OATHS OF ASSISTANTS.

WE.	and
do solemnly swear that we will well and faithfull	y execute the duties of chainmen; that we will level e tally pins, either by sticking or dropping the same;
· · · · · · · · · · · · · · · · · · ·	pjects, and the true lengths of all lines that we a -:
measuring, to the best of our skill and ability, and	in accordance with instructions given us, in the surv
	, Chain
	·
	, Chain
Subscribed and sworn to before me this	)
day of, 190	}
	***************************************
SEAL	
	***************************************
Wr.,	and
do solemnly swear that we will well and truly	perform the duties of moundmen in the establish-
of corners, according to the instructions given u	s, to the best of our skill and ability, in the su
	, Mound
	, Mound
	·
Subscribed and sworn to before me this	····· }
day of, 190	,
Secretaries.	
S. SEAL R	
	nnd
	form the duties of axmen in the establishment of
and other duties, according to instructions given	us, to the best of our skill and ability, in the surve
<u>.</u>	
	, Au
	Au
Subscribed and sworn to before me this	)
day of, 190	{
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	,
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######################################	
1	, do solemnly swear that I will well and t
	tions given me, to the best of my skill and ability, i
survey of	***************************************
	, Flay
8.3.4.4.4.	•
Subscribed and sworn to before me this	}
day of	)
Marie 201	the formation and the first of the formation of the contract of the first of the fi
A MINT OF	*

TH BOUNDARY T. I S. R. 19 W.

tion.

Chains. Survey commenced Aug. 30, 1908, and executed with the instrument described in book "A" of this survey. . At the cor:of Tps.1 and 2 S., Rs.18 and 19 W., which is a pine stake 2 ins.sq., 1 1t.above ground in pit, marked land witnessed as described by the surveyor general, lat:40° 40' 51" N.; long. 113° 56' 31" W., at 8 h. 53 m. p.m.by my watch which is 3 m.slow of 1.m.t., I observe Polaris at eastern elongation in accordance with the damual of Instructions, and mark a point in the line thus determined by a tack driven in a wooden peg set in the ground 4 chs.N.of my sta-

> Aug.31: At 7 h. 30 m.a. m.I lay off the azimuth of Polaris 1° 34' to the west and mark the meridien thus determined by a tack driven in a wooden peg set in the ground west or the point established last night. The magnetic bearing of the true meridian is N.18° 25' W., which gives the mag.decl.18° 25'E.

Owing to the Pact that this entire salt bed is subject to immedation, being covered at times with water to the depth of 12 ins., or more, and subject to violent vinds, I believe that a corner consisting of a deposit, mound of salt and stake in pit would becausatisfactory, as the water would dissolve the salt and sweep away the mounds and fill the pits with the deposit of salt after evaporation; therefore I have, on the salt bed, set only posts 4 x 4 ins., 3 ft.long, with deposit, and have omitted the pits and mound. From said above described corner I run north bet.secs.

From my N. and S.line I turn 909 to the west, and run West on true line bet.secs.1 and 36,

to be 79.96 chs.

31 and 36 on retracement line and find the distance

## SOUTH BOUHDARY T. 1 S., R. 18 W.

I	,
Chains	. Over level salt land.
40.00	Set a sawed pine post 4 ins.sq., 3 Pt.long, with quart
	of chargoal, 24 ins.in the ground, for 1 980.cor.,
-	marked & S.36 on N. Pace and I on S. Pace. Pits and
	mound impracticable.
80.00	Set a sewed pine post 4 ins. sq., 3 pt.long, with quart
	of charcoal, 24 ins.in the ground, for cor.or secs.1.
	2.35, and 36, marked
	. Tlss36 on NE.
	R 19 W S I on SE.
	T 2 S S 2 on SW.and
	S 35 on NV. Made, with 1 notch on H. and 5 notches
	on W.edge. Pits and mound impracticable.
	Land, level salt bed.
	No Limber.
	West bet.secs.2 and 35,
,	ı
	Over level salt bed.
40.00	Over level salt bed.  Set a sawed pine post 4 ins.sq., 3 follong with quart
40.00	
40.00	Set a sawed pine post 4 ins.sq., 5 ft.long with quart
40.00	Set a sawed pine post 4 ins.sq., 5 follong with quart of charcoal, 24 ins.in the ground, for + sec.cor.,
40.00	Set a sawed pine post 4 ins.sq., 3 follows with quart of charcoal, 24 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ S 35 on N.face, and 2 on S.face. Pits and
	Set a sawed pine post 4 ins.sq., 3 follong with quart of charcoal, 24 ins.in the ground, for \(\frac{1}{4}\) sec.cor., marked \(\frac{1}{4}\) S 35 on N.face, and 2 on S.face. Pits and mound impracticable.
	Set a sawed pine post 4 ins.sq., 3 follong with quart of charcoal, 24 ins.in the ground, for \(\frac{1}{4}\) sec.cor., marked \(\frac{1}{4}\) S 35 on N.face, and 2 on S.face. Pits and mound impracticable.  Set a sawed pine post 4 ins.sq., 3 ft.long, with quart
	Set a sawed pine post 4 ins.sq., 3 r.long with quart of charcoal. 24 ins.in the ground. For \(\frac{1}{4}\) sec.cor., marked \(\frac{1}{4}\) S 35 on N.Face, and 2 on S.Face. Pits and mound.impracticable.  Set a sawed pine post 4 ins.sq., 3 rt.long, with quart of charcoal, 24 ins.in the ground, for cor.of secs.
	Set a sawed pine post 4 ins.sq., 5 follong with quart of charcoal, 24 ins.in the ground, for \(\frac{1}{2}\) sec.cor., marked \(\frac{1}{4}\) S 35 on N.face, and 2 on S.face. Pits and mound impracticable.  Set a sawed pine post 4 ins.sq., 3 ft.long, with quartof charcoal, 24 ins.in the ground, for cor.of secs.  2,3,34, and 35, marked
	Set a sawed pine post 4 ins.sq., 5 follows with quart of charcoal, 24 ins.in the ground, for \(\frac{1}{4}\) sec.cor., marked \(\frac{1}{4}\) S 35 on N.face, and 2 on S.face. Pits and mound impracticable.  Set a sawed pine post 4 ins.sq., 3 ft.long, with quartof charcoal, 24 ins.in the ground, for cor.of secs.  2,3,34, and 35, marked  T 1 S S 35 on NE.
	Set a saved pine post 4 ins.sq., 5 follows with quart of charcoal, 24 ins.in the ground, for \( \frac{1}{4} \) \$ 55 on N.face, and 2 on S.face. Pits and mound impracticable.  Set a saved pine post 4 ins.sq., 3 ft.long, with quartof charcoal, 24 ins.in the ground, for cor.of secs.  2,3,34, and 35, marked  T 1 S S 35 on NE.  R 15 W S 2 on SE.
	Set a saved pine post 4 ins.sq., 5 follows with quart of charcoal, 24 ins.in the ground, for \( \frac{1}{2} \) sec.cor., marked \( \frac{1}{4} \) S 35 on N.face, and 2 on S.face. Pits and mound impracticable.  Set a saved pine post 4 ins.sq., 3 ft.long, with quartof charcoal, 24 ins.in the ground, for cor.of secs.  2,3,34, and 35, marked  T 1 S S 35 on NE.  R 19 W S 2 on SE.  T 2 S S 3 on SW and
	Set a sawed pine post 4 ins.sq., 3 ft.long with quart of charcoal. 24 ins.in the ground. For \( \frac{1}{2} \) sec.cor., marked \( \frac{1}{4} \) S 35 on N.face, and 2 on S.face. Pits and nound impracticable.  Set a sawed pine post 4 ins.sq., 3 ft.long, with quartof charcoal, 24 ins.in the ground, for cor.of secs.  2,3,34, and 35, marked  T 1 S S 35 on NE.  R 19 W S 2 on SE.  T 2 S S 3 on SW and  S 34 on NW.face, with 2 notches on E. and 4 notch-
	Set a saved pine post 4 ins.sq., 3 r.long with quart of charcoal, 24 ins.in the ground, for - sec.cor., marked - S 35 on N.face, and 2 on S.face. Pits and mound impracticable.  Set a saved pine post 4 ins.sq., 3 rt.long, with quart of charcoal, 24 ins.in the ground, for cor.or secs.  2,3,34, and 35, marked  T 1 S S 35 on NE.  R 15 W S 2 on SE.  T 2 S S 3 on SW and S 34 on NW.face, with 2 notches on E. and 4 notches on W.edges. Pits and mound impracticable.
	Set a sawed pine post 4 ins.sq., 5 follong with quart of charcoal, 24 ins.in the ground, for - sec.cor., marked - S 35 on N.face, and 2 on S.face. Pits and mound impracticable.  Set a sawed pine post 4 ins.sq., 3 ft.long, with quartof charcoal, 24 ins.in the ground, for cor.of secs.  2,3,34, and 35, marked  T 1 S S 35 on NE.  R 19 W S 2 on SE.  T 2 S S 3 on SW. and  S 34 on NW.face, with 2 notches on E. and 4 notches on W.edges. Pits and mound impracticable.  Land, level salt bed.

, OUTH BOUNDARY T. 1 S. R.19 W

Chains. West bet.secs.3 and 34,
Over level salt bed.

of charcoal, 24 ins.in the ground, for \(\frac{1}{4}\) sec.cor.,

marked \(\frac{1}{4}\) S 34 on N.face, and 3 on S.face. Pits and

mound impracticable.

Leave salt; enter alkali land.

Set a sawed pine post 4 ins.sq., 3 ft.long, with quart of charcoal, 24 ins.in the ground, for cor.of secs.

.T 1 S S 34 on NE. - R 19 W S 3 on SE.

3,4,33, and 34, marked

T 2 S S 4 on SW, and

S 33 on NW. Mace; with 3 notches on E. and W.edges;

dig pits 18 x 18 x 12 ins.in each sec.  $5\frac{1}{2}$  ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high W.

Land, level.

Soil, alkali; 4th rate, and salt.

No timber.

of cor.

48.00

80.00

40.00.

80.00

West bet.secs.4 and 33,

Over level alkali land.

Set a pine post 4 ins.sq., 3 ft.long, with quart of charcoal, 24 ins.in the ground, for 4 sec.cor., mad.

 $\frac{1}{4}$  S 33 on N. Face, and 4 on S. Face; dig pits 18 x 18 x 12 ins.E. and W. of post 3 ft. dist.; and raise a

mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$  ft.high N.of cor.

of charcoal, 24 ins.in the ground, for cor.of secs.

Set a sawed pine post 4 ins.sq., 3 rt.long, with quart

T 1 S S 33 on NE. .

4,5,32, and 33, narked .

R 19.W S 4.on SE.

R 2.S S 5 on SW., and

### SOUTH BOUNDARY T. 1 S., R. 19 W.

1	SOUTH BOUNDARY T. I S., R. IS V.
	and the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of th
Chains	S 32 on NW. Pace, with 2 notches on W. and 4 notches
	on E.edge; dig pits 18 x 18 x 12 ins.in each sec.51
	rt.dist.; and raise a mound of earth 4 ft.base, 2
	. It.high W.of cor.
	Land, level.
	Soil, alkali; 4th rate.
	No Limber.
-	
	West bet.secs.5 and 32,
	Over level alkeli land.
40.00	Set a sawed pine post 4 ins.sq., 3 1t.long. With quart
	of charcoal, 24 ins. in the ground, for \(\frac{1}{4}\) sec.cor.,
-	marked $\frac{1}{4}$ S 32 on W. Lace, and 5 on S. Lace; dig pits
: .	18 x 18 x 12 ins.E. and W.of post 3 ft.dist.; and
	raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.h.gh H.of cor
80.00	Set a sawed pine post 4 ins.sq.,31ft.long, with quart
	of charcoal, 24 ins. in the ground, for cor. of secs.
	5,6,31, and 32, marked
	T 1 S S 32 on NH.
	R 19 W S 5 on SE
	T 2 S S 6 on SW., and
	S 31 on NW.face, with 5 notones on E. and 1 notch
	on W.edge; dig pits 18 x 18 x 12 ins.in each sec.51
	ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.
	high W.or cor.
	Land, level.
	Soil, alkali; 4th rate.
	No timber.
,	
	•

West bet.secs.6 and 31, Over evel alkali land.

29.12 Intersect Utah-Nevada Bdy.line, at S.0° 16 . 12.29 chs.from the 44th mile.cor., which is a deposit of

### SOUTH BOUNDARY T. 1 S. R. 19 W.

glass with pits H. and S., and mound of earth; pine chains. stake 2 ins.sq., 12 ins.above ground in S.pit, narked and witnessed as described by the surveyor general. set a sawed pine post 4 ins.sq., 3 it.long, with quart ... of charcoal, 24 ins. in the ground, for closing cor. Tps.1 and 2 S., R. 19 W., marked Tlss31 on N. CCR19WU on E.

T 2 S S 6 on S., and

N on W.face, with 6 grooves on N., S. and E. races;

and S.of post 4 ft.and E.of post 8 ft.dist.; and raise a mound of earth 5 ft.base, 22 ft.high E.of cor.

 $\gamma$  dig pits 30 x 24 x 12 ins.crosswise on each line N.

Land, Level.

Soil, alkali; 4th rate.

No timber. '

August 31, 1908.

For general description see notes or the subdivision of this township.

## RIES T. 1 S., R. 19 W.

	,						
	Lat	itudes, Dep	artures	, and C	losing l	Errors.	
Line D	esignated	True	Dist.	Latit	udes	Departu	res.
		Bearing	- 1	N.	S.	E.	W.
Salt L	ake Base .	East	424,95	ons.	Gus.	424.95	CHB.
East B	oundary	South .	480.00	•••••	480.00		• • • • • •
South !	Boundary.	West	429.12				429.12
Utah-N	evada Bdy.	N.00 16 E.	170:09	-17ุฎี.กฤ		.80	•••••
Utah-Ne	vada Bdy.	N.0° 12'E.	79 • 74	79.74	••••	•28	•••••
Utah-Ne	vada Bdy.	N.0° 32'E.	228.81	15.8gg		2.23	
Converg	gen <b>cy</b>		_			.637	
	Tota	als ·	•	480.B3	480.00	428.79	429.12
			٠	480.00		•	428.79

Error in lat. and dep.

Robert E. L. Callie U.S.Deputy Surveyor.

r.84

0.33

## FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

### LIST OF NAMES.

A list of the names of the individuals employed by	
, United States Deputy Surveyor, to assist in ru	nning, measuring, and
irking the lines and corners described in the foregoing field notes of the survey of	
owing the respective capacities in which they acted:	
r list of names and final oaths of assistants see book	
Tp. 2 S., R. 17 W.	, Chainman.
<u>., </u>	, Moundman.
	, Moundman.
	, Axman.
	, Axman.
	, Flagman.
FINAL OATH OF ASSISTANTS.	
. We hereby certify that we assisted	
, United States Deputy Surv	eyor, in surveying all
se parts or portions of the	
	of the
meridian, of	which are represented
he foregoing field notes as having been surveyed by him and under his direction been in all respects, to the best of our knowledge and belief, well and faithfuner monuments established, according to the instructions furnished by the Un	lly surveyed, and the
neral for	
	, Chainman.
	, Moundman.
	, Moundman.
	, Axman.
scribed and sworn to before me this	
day of, 190	
000000 6 SEAL 6 000000	ha.
151	

## OATH OF UNITED STATES DEPUTY SURVEYOR.

E pt. (Statistical projection) (State and Carbon Statistical and Carbon Statistical Statistics)	United States Deputy Survey
solution seems that, in	pursuance of a contract received from
United States Surveyor !	General forbearing date, 190 , I have well, faithfully, and truly, in m
	, 190 , I have well, faithfully, and truly, in m
trucer person, and in st	rict conformity with the instructions furnished by the United States Su
General for	the Manual of Surveying Instructions, and the laws
United States, surreyed	all those parts or portions of
하게 되는 경우에 되어 있다면 보다 되는 것도 하는	vit nee book *K* T. 2 S., R. 17 V.
	of the
	riding, in theof, which are represented
· 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	naving been surveyed by me, and under my direction; and I do further so
	of said survey have been established and perpetuated in strict accordance
化二氯二甲酚 医克里耳氏 医克里特氏结肠切除术 医二十二氏 化二甲基苯甲基酚	Instructions, and the special written instructions of the United States Su
	nnd in the specific manner described in the field notes, as
그리고 그리고 있다. 그렇게 되어 하는 그리고 없이 그 모다.	ginal field notes of such survey.
	about E. L. Collins
	,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人 第一章 "我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就
	United States Deputy Su
	nnd sworn to before me)
1986年 医微线性皮肤 医二氏管 医电流电流 医二进口管	그리다 그는 이 속으로 이 사람들이 가면 사용하다는 사람이 되었다. 하는 회에 가장 그는 사람들은 사람들은 경기를 하지 않는 사용을 생겨를 하는 것이 아름다면 하다.
the appropriate production of the	ny of
<b>စိုင်ဝိ</b> ဘ	<b>Q</b>
ဝိဝင်ဝင်	<b>š</b>
	APPROVAL.
OI	FFICE OF THE UNITED STATES SURVEYOR GENERAL,
	Selt Loke Gity, Utoh, January 21,
The tornerstone field	inotes of the survey of the South Boundary of Toyniship )
	10 Foot of the Calt Lake Rose and Meridian, Utah
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a sa calabara da cara d	obert E.L.Gollier 301 dated Heren 5, 1908 havis

surveys they describe, are hereby approved. United States Survey

critically examined, and the necessary corrections and explanations made, the said field notes, a

I certify that the foregoing transcript of the field notes of the above-described surveys in .... ......., has been correctly copied from the original notes on file in this or

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<del>4—679.</del> ВООК А-346

# FIELD NOTES

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***************************************	TOWNSHIP NO. 1	SOUTH,	
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<i>Of the</i>	,		iun,
***************************************	UTAH,	·	
4			
•	AS SURVEYE	D BY	
Robert E.L.Col	lier		Deputy Surveyor.
•			
der his Contract No	301 , dated	March 5,	
rvey commenced	August 31.		. 1008
n oog commuencem			1900
rvey completed	September 8	<b>?</b>	, <i>190</i> 8.
6151			

## NAMES AND DUTIES OF ASSISTANTS.

Ralph	Gentry,	Chainman.	********
		Chaiman.	
R.Harc		•	
Ralph	M.Wind,	Flagman.	
For preliminary afti	davits see bo	ok "P" Tp.1 H R. 3	.w e.
	***************************************		, •
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6-151

B00K A-346

## INDEX DIAGRAM.

To	ownsi	hip	l Sou	ith	,	Rang	ge19	Wes	t		
· 6	44.	, <b>5</b>	31	4	23	8	14	2	7	1	
44		43		31		22		14		7	
7	112	8	30	9	21	10	13	11	6	12	
41		40		29		21		12		5	
18	39	17	26	16	20	15	11	14	+	13	
<u>,</u> 38		37		28		19		11		4	
• 19 36	36	20 35	27	21 26	18	22	11	28	3	24	
30	34	29	25	28	17	27	9	26	2	25	
34		<u>33</u>		25		16		_9_		1.	
. 81	9-11 8-23 8-23	82	24	83	16	34	g	85		36	

Meanders Page.....

## PRELIMINARY OATHS OF ASSISTANTS.

WE,	
do solemnly swear that we will well and faithfu	lly execute the duties of chainmen; that we will level
chain upon even and uneven ground, and plumb	the tally pins, either by sticking or dropping the same; + .
we will report the true distances to all notable	objects, and the true lengths of all lines that we assist
measuring, to the best of our skill and ability, an	d in accordance with instructions given us, in the survey
Ç.	
	, Chainma
·	······································
•	, Chainmu
Subscribed and swam to before me this	·
Subscribed and sworn to before me this	{
day of, 190	)
Received	
₩ SEAL (A) NEEEEE	
$W_{\mathbf{E}}$ ,	and
do solemnly swear that we will well and trul	y perform the duties of moundmen in the establishment
	us, to the best of our skill and ability, in the survey
	•
	, Moundm-
•	
-	, Moundm
Subscribed and amount a before me this	,
Subscribed and sworn to before me this	······································
day of, 190	)
·	***************************************
SEAL (# SEEEE	
• -	***************************************
WE,	and
do solemnly swear that we will well and truly pe	erform the duties of axmen in the establishment of corn
	us, to the best of our skill and ability, in the survey
	, Axm.
	,, <u>A</u> .
Subscribed and sworn to before me this	)
	{
day of, 190	) <sub>.</sub>
F7452344	
M SEAL M	
I,	, do solemnly swear that I will well and tru
perform the duties of flagman according to instr	uctions given me, to the best of my skill and ability, in t
survey of .	
	Tla am.
	, Flagmu
Subscribed and sworn to before me this	)
day of, 190	<b>\</b>
.,,,	. ,
SEREE H SEAL (H	
<b>坐在水</b>	

Survey commenced Aug.31,1998, and executed with the instrument described in book "A" of this survey. The sky was overcast during entire night; observation on Polaris impossible.

Sept.1: At the cor. of secs.1,2,35, and 36 on S.bdy.Tp:established by myself and heretofore described, I turn
90° to the north and run

N.0° 01'W.bet.secs.35 and 36

Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for \( \frac{1}{4} \) sec.cor.marked \( \frac{1}{4} \) S 35 on W. Face, and 36 on E. face. Pits and mound

impracticable.

Set a pine post 3 ft.long, 4 ins.sq. with quart of

charcoal, 24 ins.in the ground, for cor.of secs.25, 26,35, and 36, marked

T1SS25 on NE.

R 19 W S 36 on SE.,

S 35 on SW., and

Pits and mound impracticable.

S 26 on NW.face, with 1 notch on S. and E. edges.

Land, level salt bed.

No timber.

Over level salt bed.

40.00

80.00

40.00

80.00

The cor.of secs.25,30,31, and 36 being plainly visible I run for said cor.

N.89° 57'E.on a random line bet.secs.25 and 36 Set temp. $\frac{1}{2}$  sec.cor.

Intersect E.bdy.of Tp. at the cor.ofsecs.25,30,31, and

36, which is marked with deposit of glass with pits and mound; pine stake 2 ins.sq., 12 ins.above ground in SE pit marked and witnessed as described by the surveyor general. Thence I run

 	SUBDIVISION OF T. 1 S., R. 19 W.
Chains	s.89° 57'W.on true line bet.secs.25 and 36,
-	Over level salt bed.
40.00	Set a pine stake 3 ft.long, 4 ins.sq., with quart of
	charcoal, 24 ins.in the ground, for $\frac{1}{4}$ sec.cor., market
,	$\frac{1}{4}$ S 25 on N. face, and 36 on S. face. Pits and mound
	impracticable.
80.00	The cor. of secs. 25, 26, 35, and 36.
	Land, level salt bed.
	No timber.
	N.00 Ol'W.Bet.secs.25 and 26,
	Over level salt bed.
40.00	Set a pine post 3 ft.long, 4 ins.sq., with quart of char
	coal, 24 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked
-	\frac{1}{4} S 26 on W.face, and 25 on E.face. Pits and mound im
	practicable.
80.00	•
	Set a pine post 3 ft.long, 4 ins.sq., with quart of
	charcoal, 24 ins.in the ground, for cor.of secs.23,24,
.	25, and 26, marked T 1 S S 24 on NE.
	٠,
	R 19 W S 25 on SE.
	S 26 on SW., and
	S 23 on NW. face, with 1 notch on E. and 2 notches
	on S.edge. Pits and mound impracticable.
	Land, level salt bed.
i	No timber.
- department of the contract o	
.	The cor.of secs.19,24,25, and 30 on E.bdy.of Tp.being
Description of the second	plainly visible, I run for said corner,
1:0.00	N.89° 55 E. on a random line bet.secs.24 and 25,
40.00	Set temp. 1 sec. cor.
80100	Intersect E.bdy.of Tp. at the cor.of secs.1924,25, and

Chains. 30, which is a glass deposit with pits and mound, a pine stake 2 ins.sq., 12 ins.above ground in SE pit, marked and witnessed asadescribed by the surveyor general. Thence I run

S.89° 55'W.on true line bet.secs.24 5nd 25 Over level salt bed.

40.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for 1 sec.cor., marked 1 S 24 on N.face, and 25 on S.face. Pits and mound impracticable.

Mo.00 The cor.of secs.23,24,25, and 26.
Land, level salt bed.

No timber.

N.0° 01'W.bet.secs.23 and 24,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins.in the ground, for  $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12ins.N. and S. of cor. 4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$  ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq.,marked ½ S 23 on W.face, and 24 on E.face.

Deposit a quart of charcoal, 12 ins.in the ground for cor.of secs.13,14,23, and 24; dig pits 18 x 18 x 12 ins.in each sec.4 ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 1 S S 13 on ENE.

R 19 W S 24 on SE.

S 23 on SW., and

S 14 on NW. face, with 1 notch on E. and 3 notches on S.edge.

Land, level.

Chains.	Soil, alkali; 4th rate.
40.00	The cor.of secs.13,18,19, and 24 on E.bdy.of Tp.being plainly visible I run for said corner,  N.89° 55'E.on a random line bet.secs.13 and 24  Set temp.½ sec.cor.
	<u>-</u>
79.98	Intersect E.bdy.of Tp. at the cor.of secs.13,18,19, and 24, which is a glass deposit, with pits and mound and pine stake 2 ins.sq., 12 ins.above ground, marked and
a to a second	witnessed as described by the surveyor general. Thence
	I run
	S.89° 55'W.on true line bet.secs.13 and 24,
	Over level salt bed.
32.00	Leave salt; enter alkali land.
39-99	Deposit a quart of glass 12 ins. in the ground, for $\frac{1}{4}$
· · · · · · · · · · · · · · · · · · ·	sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.
* 1	4 ft.dist.; and raise a mound of earth 32 ft.base,
	1½ ft.high over deposit.
	In E.pit drive a pine stake 2 ft.long; 2 ins.sq.,12 ins.
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	in the ground, mkd: \$ 8.13 on N. face and 24 on S. face.
79.98	The cor.of secs.13,14,23, and 24.
† ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	Land level.
, , , , , , , , , , , , , , , , , , ,	Soil, alkali; 4th rate; and salt.
, ;	No timber.
·	

N.0° Ol'W.bet.secs.13 and 14, Over level alkali land.

- 19.81 Intersect telegraph line bearing N.88° 34'W. and S.88° 34'E.
- 20.50 Intersect Western Pacific R.R.track bearing N.88° 34'W.

SUBDIVISION T. 1 S., R. 19 W. chains. and S.88° 34'E. 23.88 Intersect telephone line bearing N.88°, 34'W. and S.88° ' 34 E. . Deposit a quart of charcoal 12 ins. in the ground, for  $\frac{1}{4}$ 40.00 sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor. 4 ft.dist.; and raise a mound of earth 3 ft.base, 1 . ft.high over deposit. In S.pit drive a pine stake 2 ft.long, 2 ins.sq.,:12 ins.in the ground, marked 1 S 14 on W.face, and 13 on E.face. Deposit a quart of charcoal 12 ins.in the ground, for 80.00 cor.of secs.11,12,13, and 14; dig pits 18 x 18 x 12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit. In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked T 1 S S 12 on NE. R 19 W S 13 on SE. S 14 on SW., and S 11 on NW.face, with 1 notch on E. and 4 notches on S.edge. Land, level. . Soil, alkali; 4th rate. No timber. . The cor. of secs. 7,12,13, and 18 on E.bdy. of Tp. being

plainly visible, I run for said corner,

N.89° 54'E.on a random line bet.secs.12 and 13,

40.00 Set temp. 4 sec.cor.
79.98 Intersect E.bdy.of T

Intersect E.bdy.of Tp.at the cor.of secs.7,12,13, and
18, which is a glass deposit with pits and mound of
earth, a pine stake 2 ins.dq., 12 ins.above ground in
SE pit, marked and witnessed as described by the surveyor general. Thence I run

WEST .	-	SUBDIVISION OF T. 1 S., R. 19 W .
	Chains	
	and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t	Over level alkali land.
	39.99	Deposit a quart of charcoal 12 ins.in the ground, for $\frac{1}{4}$
		sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.4
	• .	ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$
		ft.high over deposit.
		In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
		ins.in the ground, marked
		1 S 12 on N.face, and 13 on S.face.
	79.98	The cor.of secs.11,12,13, and 14.
		Land, level.
		Soil, alkali; 4th rate.
		No timber.
	,	
		N.0° 01'W.bet.secs.ll and 12,
		Over level alkali land.
	40.00	Deposit a quart of charcoal 12 ins.in the ground, for $\frac{1}{4}$
		sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.
		4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$
		ft.high over deposit.
		In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
		ins.in the ground, marked $\frac{1}{4}$ S ll on W.face, 12 on E.fa
	80.00	DepositCalquart of charcoallEscins.in the ground for
		cor.of secsl,2,11, and 12; dig pits 18 x 18 x 12 ins.
-		in each sec.4 ft.dist.; and raise a mound of earth 4
1		ft.base, 2 ft.high over deposit.
1	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12
	,	ins.in the ground, marked T 1 S S 1 on NE.
,	-	R 19 W S 12 on S E
1		S ll on sw.,.and
	ì	S 2 on NW.face, with 1 notch on E. and 5 notches
e phase of a		on S.edge.
1		Land, level.
ø	ì	,

Soil, alkali; 4th rate. No timber.

SUBDIVISION OF T. 1 S. R. 19 W Chains.

The cor. of secs. 1,6,7, and 12 on E.bdy. of Tp. being plainly visible I run for said corner,

N.89° 54'E.on a random line bet.secs.1 and 12,

Set temp. d sec.cor.

40.00

79.96

39.98

79.96

30.00

40.00

Intersect E.bdy.of Tp.at the cor.of secs.1,6,7, and 12

which is a glass deposit, with pits and mound of .

earth, and pine stake 2 ins.sw., 12 ins.above ground

in SE pit, marked and witnessed as described by the

surveyor general.

Thence I run

S.89° 54'W.on true line bet.secs.1 and 12, Over level alkali land.

Deposit a quart of charcoal 12 ins.in the ground for  $\frac{1}{4}$ sec.cor., dig pits 18 x 18 x 12 ins.E. and W.of cor.

4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft, base,  $1\frac{1}{2}$ ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

1 S 1 on N. face, and 12 on S. face.

The gor con isecs.1,2,11, and 12, Land level

Soil, alkali; 4th rate.

No timber.

N.0° 01'W'bet.secs.1 and 2,  $\cdot$ 

Over level alkali land.

Enter scattering shadscale and salt grass bearing N.36°

E. and S. 36° W. Deposit a quart of charcoal 12 ins.in the ground for

 $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.

4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.bæe,  $1\frac{1}{2}$ ft.high over deposit.

In S.pit drive a pine atake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

1 S 2 on W. face, and 1 on E. fæe,

The sect Salt Lake Base line 24.25 chs. W. of the core of Tp.1 N., Rs.15 and 19 W., heretofore described.

Set a quartite purphyry stone 13 x 7 x 7 ins., 9 ins. in the ground for closing cor. of secs. 1 and 2, marked C c on S., with 1 groove on E. and 5 grooves on W. fæe; dig pits 24 x 15 x 12 ins. crosswise on each line E. and W.3 ft., ans Scof stone 7 ft. dist.; and raise

a mound of earth 4 ft.base. 2 ft.high S.of cor.

Land, level.

Soil, alkali, 4th rate.

No timber.

Undergrowth scattering shadscale.

Sept.1: At the cor.ofsecs.2,3,34 and 35 on S.bdy.of

Tp.,heretofore described,lat.40°40'51'.N.Long.113°58'47"'W.

at 8 h. 45.3 m. by my watch, which bs 3 m.slow of

l.m.t., I observe Polaris at eastern elongation, in

accordance with Manual of Instructions and mark a

point in the line thus determined by at ack dirven in

a wooden peg set in the ground 4 chs.N.of my station.

Sept.1, 1908.

Sept.2: At 7 h. 30 m. a.m.I.lay off the azimuth of Polaris 1° 34' to the west and mark the meridian thus determined by a tack drive in a wooden peg set in the ground west of the point established last night.

The magnetic bearing of the true meridian is N.18 o 15' We.

which gives the mag.decl. 18 ° 15' E/.

Thence I run

N.0° 02'W.bet.secs.34 and 35, Over levelsalt bed.

Chains
40.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of
charcoal, 24 ins.in the ground, for \$\frac{1}{4}\$ sec.cor., marked \$\frac{1}{4}\$ S \$34\$ on W.face, and \$35\$ on E.face. Pits and mound
impracticable.

80.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of

charcoal, 24 ins.in the ground, for cor.of secs.26, 27,34, and 35, marked

T 1 S S 26 on NE.

R 19 W S 35 on SE.

S 34 on SW., and

S 27 on NW. face, with 1 notch on S. and 2 notches

on E.edge. Pits and mound impracticable.

Land, level salt bed.

No timber.

The cor. of secs. 25, 26, 35, and 36 being plainly visible

I run for said corner,

N.89° 59'E.on a random line bet.secs.26 and 35, Set temp. $\frac{1}{4}$  sec.cor.

Intersect N. and S.line at the cor. of secs. 25, 26, 35, and 36. Thence I run

40.00

80.00

36. Thence I run

S.89° 59'W.on true line bet.secs.26 and 35,

Over level salt bed.

40.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground for ½ sec.cor. marked

1 S 26 on N. face, and 35 on S. face. Pits and mound

80.00. The cor. of secs. 26, 27, 34, and 35.

Land, level salt bed.

pl., of No timber. We seem to the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of the seems of t

impracticable.

N.00 02 W.bet.secs.26 and 27,

Chains. Over level salt bed.

20.00 Leave salt; enter alkali land.

40.00 Set a pine post 3 rt.long, 4 ins.sq., qith quart of

charcoal, 24 ins.in the ground, for } sec.cor., marked

† S 27 on W.face, and 26 on E.face. Pits and mound impracticable. 80.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of

charcoal, 24 ins.in the ground, for cor.of secs.22,23

26, and 27, marked T 1 S S 23 on NE.

R 19W S 26 on S E.

g 0.7 am 0.7 am 3

S 27 on SW., and

S 22 on NW.face; with 2 notches on S. and E.edges; dig pits 18 x 18 x 12 ins.in each sec.  $5\frac{1}{2}$  ft.dist.;

and raise a mound of earth 4 ft.base, 2 ft.high W.of

cor.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor.of secs.23,24,25 and 26 being plainly visible I run for said corner,

N.89° 58'E.on random line bet.secs.23 and 26,

40.00 | Sat temp. 1 sec.cor.

SO.02 .

Intersect N. and S.line at the cor.of secs.23,24,25 and 26; thence I run

S.89° 58'W.on true line bet.secs.23 and 26,

Over level alkali land.

10.01 Deposit a quart of charcoal 12 ins.in the ground, for

the section: dig pits 18 x 18 x 12 ins.E. and w.of cor. 4 it.dist.; and raise a mound of earth 32 ft.base, 12

ft.high over deposit.

in the ground, mkd. 1 \$ 23 on N. face. u. 26. on S. face.

80.03 The cor.of secs.22.23.26, and 27.

```
SUBDIVISION OF T. L S., R. 19 W.
Chain .
        Land, level.
        Soil, alkali; 4th rate. No timber.
                   N.00 02'W.bet.secs.22 and 23,...
        Over level alkali land.
        Deposit a quart of charcoal 12 ins.in the ground, for
40.00
          \frac{1}{4} sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of
          cor.4 ft.dist.; and raise a mound of earth 31 ft.
         base, 11 ft.high over deposit. In S.pit drive a pine
          stake 2 ft.long, 2 ins.sq., 12 ins.in the ground,
          marked \frac{1}{4} S 22 on W.face, and 23 on E.face.
        Deposit a marked stone 12 ins.in the ground, for cor.
80.00
         of secs.14.15,22, and 23, dig pits 18 x 18 x 12 ins.
          in each sec.4 ft.dist.; and raise a mound of earth 4
          ft.base, 2 ft.high over deposit.
         In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12
          ins.in the ground, marked
              T 1 S S 14 on NE.
                19 W S 23 on SE.
              S 22 on SW ., and
              S 15 on NW.face, with 2 notches on E. and 3 notch-
          es on S.edge.
        Land, level.
        Soil, alkali; 4th rate. No timber.
        The cor.of secs.13,14,23, and 24 being plainly visible
          I run for said corner
            N.89° 58'E.on a random line bet.secs.14 and 23,
        Intersect N. and S.line at the cor.of secs.13,14,23,
80.04
          and 24. Thence I run
            S.89° 58'W.on true line bet.secs.14 and 23,
        Over level alkali land,
        Deposit a quart of charcoal 12 ins.in the ground, for
40.02
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 $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins. E. and W.of

cor.4 ft.dist.: and raise a nound of earth 32 ft.

	;- ;	SUBDIVISION OF T. L. S., R. A. W.
	Chains	base, l <sup>1</sup> / <sub>2</sub> ft.high over deposit.  In E.pit drive a pine stake 2 ft.long, 2 ins.sq., l2  ins.in the ground, mkd. <sup>1</sup> / <sub>4</sub> S 14 on N.fæe, 23 on S.face.  The cor.of secs.l4, 15, 22, and 23.  Land, level.  Soil., alkali; 4th rate. No timber.
		N.0° 02'W.bet.secs.14 and 15,
	-	Over level alkali land.
	21.90	Intersect telegraph line bears N.88° 34'W.andaS.88°34'E
	22.59	Intersect Western Pacific R.R.track bearing N.88° 34'
		W. and S.88° 34'E.
	26.10	Intersect telephone line bears N.88°34'W. and S.88°34'E
	40.00	Deposit a quart of charcoal 12 ins. in the ground, for
		$\frac{1}{4}$ sec.cor.; dig pits $18x18x12$ ins.N. and S.of cor.4
		ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.
	• .	high over deposit.
		In S.pit drive a pine stake 2 ft.long,2 ins.sq.,12 ins.
	,	in the ground, marked $\frac{1}{4}$ S 15 on W.face, 14 on F.face.
	80.00	Deposit a quart of charcoal 12 ins.in the ground, for
		cor.of secs.10,11,14, and 15;dig pits 18x18x12 ins.
		in each sec.4 ft.dist.; and raise a mound of earth 4
	-	ft.hase,2 ft.high over deposit.
		In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12
		ins.in the ground, marked T 1 S S 11 on NE. R 19 W S 14 on SE. S 15 on SW., and S 10 on NW. Lace, with 2 notches on E. and 4 notch-
		es on S.edge. Land; level. Soil, alkali;4th rate. No timber.
-	-	The cor.of secs.11,12,13, and 14 being plainly visible
		I run for said corner,
		N.89° 56'E.on a random line bet.secs.ll and 14,

40.00 Set temp. 1/4 sec.cor.

80.06 Intersect N. and S.line at the cor.of secs.11,12,13,

#### D V . ON OF . T. 1 S. R. 19 W.

Chains. and 14. Thence I min

> S.89° 56'W.on a true line bet.secs.ll and 14, Over level alkali land.

Enter small shadscale and salt grass bears NE. & SW. 40.00

Deposit a quart of charcoal 12 ins.in the ground, for 40.03 \* sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of

> cor.4 ft.dist.; and raise a mound of earth 31 ft. base, la rthhigh over deposit.

In E.pit drive a pine stake, 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

A S 11 on M. Tace, and 14 on S. face.

The cor.of secs.10,111.14, and 15. hand, level.

Soil, alkali; 4th rate.

80.06

40.00

80.00

Undergrowth shadscale and salt grass. No timber.

N.00 02'W.bet.secs.10 and 11, Over level alkali land, small shadscale and salt grass.

Deposit a quart of charcoel 12 ins.in the ground for 1 sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.

4 ft.dist.; and raise a mound of earth 31 ft.base, 15

ft.high over deposit. In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

ins.in the ground, marked 1 S 10 on W.face, and 11 on E.face.

Deposit a quart of charcoal 12 ins. in the ground, for cor.of secs.2,3,10, and 11; dig pits 18 x 18 x 12 ins.in each sec.4 ft.dist.; and raise a mound of

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

earth 4 ft.base, 2 ft.high over deposit.

T 1 S S 2 on NE.

19 W S 11 on SE.

S 3 on NW.face, with 2 notches on E. and 5 notche

-14-

SUBDIVISION. OF. T. 1 S., R. 19 W.

, I	SUBDIVISION. OF. T. I S., R. 19 W.
Chains	• on C edge
	on S.edge.
	Land, level.
	Soil, alkali; 4th rate.
-	Undergrowth shadscale and salt grass. No timber.
	The cor.of secs.1,2,11, and 12 being plainly visible,
	I run for said corner.
	N.89° 54'E.on a random line bet.secs.2 and 11,
40.00	Set temp. 1 sec.cor.
80.08	Intersect N. and S.line at the cor.of secs.1,2,11, and
	12. Thence I run
	S.89° 54'W.on true line bet.secs.2 and 11,
	Over level alkali land.
40.00	Enter small shadscale and salt grass undergrowth, bears
	NE. and SW.
40.04	Deposit a quart of charcoal 12 ins.in the ground, for
	$\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of
	cor.4 ft.dist.; and raise a mound of earth 3½ ft.
	base, la ft.high over deposit.
•	In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
•	ins.in the ground, marked
	$\frac{1}{4}$ S 2 on N.face, and 11 on S.face.
80.08	The cor.of secs.2,3,10, and 11.
	Land, level.
	Soil, alkali; 4th rate.
	Undergrowth shads ale and salt grass. No timber

N.0° 02'W.bet.secs.2 and 3, Over level alkali land.

Begin slight ascent.

24.00

Deposit a quart of charcoal 12 ins.in the ground for \( \frac{1}{4} \)
sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.

Chains. 4 ft.dist.; and raise a mound of earth 3½ ft.base, 1½ ft.high over deposit.

In S.pit drive a.pine stake 2 ft.long, 2 lns.sq., 12

ins.in the ground, marked

. S 3 on W. face, and 2 on E. face.

47.00 Road bears E. and W. 80.27 Intersect Salt Lake F

Intersect Salt Lake Base line 24.36 chs.west of the standard cor.of secs.35 and 36, established by myself and heretofore described.

Set a limestone 15 x 8 x 7 ins. 10 ins.in the ground for closing cor.of secs.2 and 3,122 C c on \$.2 grooves on E. and 4 grooves on W.face; dig pits 24 x 18 x 12 ins.crosswise on each line E. and W.3 ft. and S.of stone 7 ft.dist.; and raise a mound of earth 4 ft. base 2 ft.high S.of cor.

Land nearly level.

Soil, alkali; 4th rate.

....

No timber.

Sept.2, 1908.

Sept.2: At the cor.ofsecs.3,4,33, and 34 on S.bdy. of Tp., established by myself and heretofore described, lat.40% of "N.; long. 113% '56" W., at 8 h. 41m 24 s by my watch which is 3 m.slow of local mean time, I observe Polaris at eastern elongation in accordance with Manual of Instructions and mark a point in the line thus determined by a tack driven in a wooden peg set in the ground 4 chs.N.of my station.

Sept.3: At 7 h. 30 m.a.m.I lay off the azimuth of Polaris 1° 34° to the west and mark the meridian thus determined by a nail driven in a wooden pegset in

the ground west of the point established last night. Chains The magnetic bearing of the true meridian is N.18°25' W.which gives the mag.decl. 18° 25'E. Thence I run N.0° 03'W.bet.secs.33 and 34, Over level alkali land. Deposit a quart of charcoal 12 ins.in the ground, for 40.00  $\frac{1}{4}$  sec.cor. dig pits 18 x 18 x 12 ins.N. and S.of cor. 4 ft.dist.; and raise a mound of earth 31 ft.base, 12 ftthigh over deposit. In S.pit drive a pine stake 2 ftllong, 2 ins.sq., 12 ins.in the ground, marked 1 S 33 on W.face, and 34 on E.face. 80.00 Deposit a quart of charcoal 12 ins.in the ground for cor.of secs.27,28,33, and 34; dig pits 18 x 18  $\dot{x}$  1 2 ins.in each sec. 4 ft.dist.; and raise a mound of earth 4 ft.base 2 ft.high over deposit." In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked T 1 S S 27 on NE. , R 19 W S 34 on SE., S 33 on SW., and S'28 on NW.face; with 1 notch on S. and 3 notches on E.edge. Land level. Soil, alkali; 4th rate.

No timber.

The cor.of secs.26,27,34, and 35 being plainly visible I run for said corner, The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s

N.59° 58'E.on a random line bet.secs.27 and 34, Set temp. 1 sec.cor.

80.00 Intersect N. and S.line at the cor. of secs. 26, 27, 34, and

40.00

Chains 735. Thence I run

S.89° 58'W.on true line bet.secs.27 and 34,

Over level salt bed.

20.00 Leave salt; enter alkali land.

40.00 Deposit a quart of charcoal 12 ins.in the ground, for

 $\frac{1}{4}$  sec.cor. dig pits 18 x 18 x 12 ins.E. and W.of cor.  $\frac{1}{4}$  ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$ 

fthigh over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

 $\frac{1}{4}$  S 27 on N. face, and 34 on S. face.

80.00 The cor.of secs.27,28,33, and 34. Land, level.

· Soil, alkali; 4th rate; and salt.

No timber.

N.00 03 W.bet.secs.27 and 28;

Over level alkali land:

40.00 Deposit a quart of charcoal 12 ins.in the ground, for \( \frac{1}{4} \)
sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.

4 ft.dist.; and raise a muund of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$  ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

ins.in the ground marked ½ S 28 on W.face, and 27 on E.fæ.e.

80.00 Deposit a quart of charcoal 12 ins.in the ground for

earth 4 ft.base, 2 ft.high over deposit.

ins.in each sec.54 ft.dist.; and raise a mound of

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12

ins.in the ground, marked

T 1 S S 22 On NE.

R 19 W S 27 on SE.

s 28 on sw., and

-18-

	SUBDIVISION OF T. 1 S., R. 19 W.
Chains	21 on NW.face; with 2 notches on S. and 3 notches
	on E.edge.
	Land, level.
	Soil, alkali; 4th rate.
	No timber.
, ,	· · · · · · · · · · · · · · · · · · ·
	The cor.of secs.22,23,26, and 27 being plainly visible,
	I run for said corner,
	N.89° 58'E.on a random line bet.secs.22 and 27,
40.00	Set temp. dec.cor.
80.00	Intersect N. and S.line at the cor.of secs.22,23,26, and
	27. Thence I run
	S.59° 58'W.on a true line bet.secs.22 and 27,
	Over level alkali land.
40.00	Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$
	sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.
	4 ft.dist.; and raise a mound of earth $\frac{1}{2}$ ft.base, $1\frac{1}{2}$
	ft.high over deposit.
	In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
	ins.in the ground, marked
	$\frac{1}{4}$ S 22 on N. face, and $2\frac{1}{7}$ on S. face.
80.00	The cor.of secs.21,22,27, and 28.
	Land, level.
	Soil, alkali; 4th rate.
	No timber.
	N.0° 03'W.bet.secs.21 and 22,
	Over level alkali land.
40.00	Deposit a quart of charcoal 12 ins.in the ground for 1
·	sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.
	4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$
1	ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

ft.high over deposit.

_	SUBD VISION OF T. 1, S., R. 19 W.
chains.	ins.in the ground, marked
	1 S 21 on W.face, and 22 on E.face.
g0.00	Deposit a quart of charcoal 12 ins.in the ground for
• •	cor.of secs.15,16,21, and 22; dig pits 18 x 18 x 12
	ins.in each sec.4 ft.dist.; and raise a mound of
	earth 4 ft. base, 2 ft. high over deposit.
ŧ	In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12
	ins.in the ground, marked
8	T 1 S S 15 on NE.
	R 19 W S 22 on SE.
, ,	S 21 on SW., and
	S 16 on NW.face; with 3 notches on S. and E.edges.
	Land, level.
•	Soil, alkali; 4th rate.
	No timber.
	The cor. of secs. 14,15,22, and 23 being plainly visible
	I run for said corner,
	N.89° 57'E.on a random line bet.secs.15 and 22,
40.00	Set temp. dec.cor.
80.00	Intersect N. and S.line at the cor. of secs. 14,15,22,
	and 23. Thence I run
, · •	S.89° 57'W.on true line bet.secs.15 and 22,
	Over level alkali land.
40.00	
	Depositizemarked stone-12, instint the ground, for $\frac{1}{4}$ sec.
	Depositiaemarked stone-12, ins. in. the, ground, for $\frac{1}{4}$ sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft.
	,
	cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.4 ft.
	cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.
	cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high over deposit.
	cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.4 ft. dist.; and raise a mound of carth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high over deposit.  In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

The cor.of secs.15,16,21, and 22.

80.00

	SUBDAVISION OF 1. 1.2. IC. 1.4 W.
Chains	Land, level.
	Soil, alkali; 4th rate.
	No timber.
	N.0° 03'W.bet.secs.15 and 16,
23.99	Intersect telegraph line bears N.88° 34'W. and S.88° 34
	E•
24.68	Intersect Western Pacific R.R.track bearing N.88° 34'
	W. and S.88° 34'E.
์ มัช.15	Intersect telephone line bearing N.58° 34'W. and S.58°
•	34 E.
40.00	Beposit a quart of glass 12 ins. in the ground for $\frac{1}{4}$
	sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.
	4 ft.dist.; and raise a mound of earth 3분 ft.base, 1분
	ft.high over deposit.
	In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
	ins.in the ground, marked .
	$\frac{1}{4}$ S 16 on W.fæe, and 15 on E.face.
80.00	Deposit a quart of glass 12 ins. in the ground, for cor.
	of secs.9,10,15, and 16; dig pits 18 x 18 $x$ 12 ins.in
	each sec.4 ft.dist.; and raise a mound of earth 4 ft.
	base, 2 ft.high over deposit.
	In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12
	ins.in the ground, marked
	T 1 S S 10 on NE.
	R 19 W S 15 on SE.
	S 16 on Sw., and
	s 9 on Nw. face; with 4 notches on s. and 3 notches
A de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la consta	on E.edge.
	Land, level.
	Soil, alkali; 4th rate.
	No timber.

Chains. The cor.of secs.10,11,14, and 15 being plainly visible

N.89° 56'E.on a random line bet.secs.10 and 15,

40.00 Set temp.  $\frac{1}{4}$  sec.cor.

g0.00

40.00

80.00

40.00

62.00

80.00

Intersect N. and S.line at the cor.of secs.10,11,14, and 15. Thence I run

\$.89° 56'W.on true line bet.secs.10 and 15,

Over level alkali land.

Deposit a quart of charcoal 12 ins.in the ground, for  $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor. 4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$  ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

 $\frac{1}{4}$  S 10 on N. face, and 15 on S. face.

The cor. of secs. 9,10,15, and 16.

Land, level.

Soil, alkali; 4th rate. No timber.

N.0° 03'W.bet.secs.9 and 10.

Over level alkali land.

Deposit a quart of charcoal 12 ins.in the ground for  $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor. 4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$  ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

ins.in the ground, marked

 $\frac{1}{4}$  S 9 on W.face, and 10 on E.face.

Begin slight ascent bearing NE. and SW.

of secs.3,4,9, and 10; dig pits  $18^{\circ} \times 18^{\circ} \times 12^{\circ}$  ins.in

Deposit a quart of charcoal 12ins in the ground for cor.

each sec.4 ft.dist.; and raise a-mound of earth 4 ft.

Chains: base, 2 ft.high over deposit. In SE pit drive a pine stake 2 ft.long, 2 ins.eq., 12 ins.in the ground, marked .... 7.1 5 5 3 on M. P 19 F 8 10 on S E. 8 9 on ST., and 5 4 on NW. Tac e; with 3 notches on E. and 5 notches on S.edge. . The second of the second Land, nearly level. Soil, alkali; 4th rate. No timber. The cor. of a con. 2,3,10, and 11 being plainly visible I run for said corner, N. 19. 54 E. on a random line bot. secs. 3 and 10, 40.00 set temp. + sec.cor. 60.02 Intersect N. and S.line at the cor.of secs.2,3,10, and 11. Thence I run West Inte S.E9. 54's.on a true line bot.secs.3 and 10, Over level alkali land. 40.00 Bogin slight ascent bearing NR. and Sr. 40.01 Deposit a quart or charcoal 12 inc.in the ground, for }

mod.cor.: dir pits 18 x 18 x 12 ins.E. and W.of cor. 4 rt.dist.; and raise a mound of swih 3% ft.base,14 rt.high over deposit. In E.pit drive a pine stake 2 ft.long, 2 ins.aq., 12 ine.in the ground, marked

2 3 on M. face, and 10 on A. face. The cor.orsecs.3,8,9, and 10.

Land, mently lovel.

TOLL, AUXLL: WIL TO B. W : Lather.

20.02

Chains. N.0° 03'W.bet.secs.3 and 4, . Over slightly ascending bench land. 2.01 Road bears N.45° E. and S.45° W. 26.00 Foot of spur bears NW. and SE. . Ascend. Top of spur bearings S.20° W, and N.20° E., 40.00 Set a limestone 18  $\times$  9  $\times$  6 ins., 12 ins.in the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on W. face; and raise a mound of stone 2 ft.base,  $1\frac{1}{2}$  ft.high W.of cor.Pits impracticable. This cor. about 350 it. above foot of spur. 60.00 Lowest part reached on W.slope. Ascend. 61.50 Top of spur bears N.20° W. and S.20° E. 50 It. above 4 Dessearpown Descand gently. 74.00 Ravine 15 ft.deep, drains S.45° E. Ascend. Intersect Salt Lake Base line 24.34 chs.W.of Stecors. 80.38 of secs.34 and 35; established by myself and heretofore described. Set a limestone 17 x 8 x 5 ins., 12 ins.in the ground, for closing cor. of secs. 3, and 4, mkd ac con s. with grooves on . E. and W. faces, and raise a mound of stone 2 ft.base, li ft.high S.of cor.Pits impracticable. Land bench land, or mountainous. Soil, rocky 4th rate. No timber.

Sept.3, 1908.

Sept.3: At the col.ofsecs.4,5,32 and 33 on S.bdy.of Tp., established by myself and heretofore described, lat.40°40 '51 " N.; long. 114°01'05'" W., at 8 h.

Mountainous land 54.38 chs.

Chains. 37.5 m. p.m.bymmy.Watch which is 3 m. slow of 1. m.t.a.

Tiobserve Polaris at eastern elongation in accordance
with instructions in the Manual, and mark a point in
the line thus determined by a tack driven in a wooden
peg set in the ground 4 chs.N.of my station.

Sept. 4: At 7 h. 30 m.a.m.l.m.t.I lay off the azimuth of Polaris 1°.34° to the west, and mark the meridiathus determined by a tack drive in a wooden pegset in the ground west of the point established last night.

The magnetic bearing of the true meridian is N.18°15.W.

which gives the mag.decl. ... 18°15'E.

Thence I run

40.00

80.00

N.0° 03'W.bet.secs.32 and 33, Over level alkali land.

Deposit a quart of glass 12 ins.in the ground for \frac{1}{4} sec.

cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor. 4 ft

high over deposit.

ins.in the ground, marked

1 0 70

1 S 32 on W.face, and 33 on E.face.

Deposit a quart of charcoal 12 ins.in the ground for cor.

of secs.28,29,32; and 33; dig pits 18 x 18 x 12 ins.

in each sec. 4 ft.dist.; and raise a mound of earth 4

dist.; and raise a mound of earth 31 ft.base, 11 ft.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

ft.base, 2 ft.high over deposit .

In SE pit drive a pine sta ke 2 ft.long, 2 ins.sq., 12

ins.in the ground, marked

TISS28 on NE.

R 19 W S 33 on SE.

S 32 on SW., and

11.

S 29 on NW.face; with 1 notch on S. and 4 notches

Chains on E.edge. Land, level. Soil, alkali; 4th rate. No timber. .The cor.of secs.27,28,33, and 34 being plainly visible I run for said corner, N.89° 57'E.on a random line bet.secs.28 and 33, 40.00 Set temp. dec.cor. Intersect N. and S.line at the cor. of secs. 27,28,33, 79.98 and 34. Thence I run , S.89° 57'W.on true line bet.secs.28 and 33, Over level alkali land. Deposit a quart of charcoal 12 ins. in the ground for  $\frac{1}{4}$ 39.99 sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor. 4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$ 我high over deposit. In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked 1 S 28 on N. face, and 33 on S. face. The cor.of secs. 28,29,32, and 33. 79.98 Land, level. · . Soil, alkali; 4th rate. No timber. N.0° 03'W.bet.secs.28 and:29, Over level alkali land. Deposit a quart of charcoal 12 ins.in.the ground, for 40.00 1 sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.

4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$  ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

	Chains.	in the ground, marked
		1 S 29 on W.face, and 28 on E.face.
	80.00	Deposit a quart of charcoal l2ins.in the ground for cor.
		of secs.20,21,28, and 29; dig pits 18 x 18 x 12 ins.
		in each sec. 4 ft.dist.; and raise a mound of earth
		4 ft.base, 2 ft.high over deposit.
-		In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12
,		ins.in the ground, marked
		T 1 S S 21 on NE.
		R 19 W S 28 on SE.
	. ,	s 29 on SW., and
		S 20 on NW.face; with 2 notches.on S. and 4 notches
		on E.edge.
		Land, level.
İ		Soil, alkali; 4th rate.
	-	No timber.
	1	
	,	The cor.of secs.21,22,27, and 28 being plainly visible
		I run for said corner,
		N.89° 57. E.on a random line bet.secs.21 and 28,
	40.00	Set temp. 4 sec.cor.
	79.98	Intersect N. and S.line at the cor. of secs. 21,22,27, and
		28. Thence I run
		S.89° 57'W.on true line bet.secs. 21 and 28,
		Over level alkali land.
	39.99	Deposit a quart of charcoal 12 ins. in the ground for $\frac{1}{4}$
		sec.cor.; dig pits 18xel8 x 12 ins.E. and W.of cor.
		4 ft.dist.; and raise a mound of earth 3 ft.base,
		la ft.high over deposit.
.		In E.pit drive a pine stake 2 ft.long; 2 ins.sq., 12
		ins.in the ground, marked
		1 S 21 on N. face, and 28 on S. fæ e.
	79.98	The cor.ofsecs.20,21, 28, and 29.
I	1	•

SUBDIVISION OF T. 1 S., R. 19 W. Chains Land, level. Soil, alkali; 4th rate. ·· No ·timber. ~ N.0° 03'W.bet.secs.20 and 21, Over level alkali land. 40.00 Enter scattering shadscale and salt grass. Deposit a quart of charcoal 12 ins.in the ground for  $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor. If ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$ ft.high over deposit. In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked  $\frac{1}{4}$  S 20 on W.face, and 21 on E.face. 80.00 Deposit a quart of charcoal 12 ins.in the ground, for cor.of secs.16,17,20, and 21; dig pits 18 x 18 x 12 ins.in each sec.4 it.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit. In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground marked T 1 S S 16 on NE. R 19 W S 21 on SE. S 20 on SW., and S 17 on 'Nw.face; with 4 notches on E. and 3 notches on S.edge. . Land, level. Soil, alkali; 4th rate. No timber.

.

Undergrowth shadscale and salt grass.

The cor.of secs.15,16,21, and 22 being plainly visible
I run for said corner,

	Chains	
	40.00	Set temp. g sec.cor.
	79.96	Intersect N. and S.line at the cor.ofs ecs.15,16,21,
		and 22. Thence I run
i	C C A MARKET	S.89° 56'W.on a true line bet.secs.16 and 21,
		Over level alkali land.
	39.98	Enter scattering shadscale and salt grass, bears NE.
3	And the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t	and SW.
1	ere quinking	Deposit a quart of charcoal 12ins.in the ground for 1
ì	· ·	sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.ofcor.
	And programmes and the second	4 ft.dist.; and raise a mound of earth 32 ft.base, 12
		ft.high over deposit:
		In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
		ins.in the ground, marked
and the same		1 S 16 on N.face, and 21 on S.face.
1	79.96	The cor. of secs. 16,17,20, and 21.
70.0		Land, level.
		Soil, alkali; 4th rate.
The second second		No timber.
e Tambi di mandani da da		
Secretary Section		
-	•	
•		NEO° 03'W.bet.secs.16 and 17,
-		Over level alkali land.
* ** ***	26.08	Intersect telegraph line bears N.SS. 34'W. and S.SS. 34
,	3	E
1	26.77	Intersect Western Pacific R.R.track, bearing N.880 341
3	4 confinence	W. and S.88° 34'E.
;	30.28	Intersect telephone line bears N.68° 34'W. and S.68° 34'
1	1	F.
3 F	40.00	Deposit a quart of charcoal 12 ins.in the ground for }
1 1	, , ,	sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.
	***	4 ft.dist.; and raise a nound of earth 32 ft.base, 12
ŧ	, p	ft.high over deposit.
194 40 /	Printed California	In S.pit drive a pine stake 2 ft.long, 2 ins.sq.,12
·	# ·	

SUBDIVISION OF T. 1 S. R. 1 ins.in the ground, marked Chains  $\frac{1}{2}$  S 17 on W.face, and 16 on E.face. .80.00 Deposit a quart of charcoal 12 ins.in the ground for cor.of secs.8,9,16, and 17; dig pits 18 x 18 x 12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit. In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked 1 S S 9 on NE. (19 W S 16 on SE on NW.face, with 4 notches on S. and E.edges. Land, level: Soil, alkali; 4th rate. No timber. . Sept.4: At this cor.at 8 h. 33 m.36 s p.m.by my watch which is 3 m. slow of l.m.t. I observe Polaris at eastern elongation in accordance with instructions in the Manual, and mark a point in the line thus determined by a tack driven in a wooden peg set in the ground 4 chs. N. of my station. Lat. 40 044 20 " N.; long. 114°01 '05 " W. Sept. 5: At 7 h. 30m.a.m.I lay off the azimuth of Polaris 1° 34' to the west, and mark the meridian thus determined by a tack driven in a wooden peg set in the ground west of the point established last night. The magnetic bearing of the true meridian is N.18°15'W. which gives the mag.decl. 18°15'E. Insight thencor. of secs. 9, 10, 15 and 16 and run N.89°55 E.on random line bet.secs.9 and 16, 40.00 Set temp. 1 sec.cor. 79.94 Intersect N. and S.line at the cor. of secs. 9, 10, 15, and 16. Thence I run S.89° 55'W.on true line bet.secs.9 and 16,

39.97 Deposit a quart of charcoal 12 ins. in the ground, for

Over level alkali land: through scattering undergrowth.

	1	SUBDIVERSON OF 10 T 200, We To me
	Chains	$\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor $\frac{1}{4}$ ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high over deposit.
		In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
		ins.in the ground mkd. $\frac{1}{4}$ S 9 on N. face, 16 on S. face.
	79.94	The cor. of secs. 8,9,16, and 17.
	,,,,,,	Land, level.
		Soil, alkali; 4th rate.
		No timber. Undergrowth greasewood and salt grass.
		grade.
	,	
		N.09 03'W.bet.secs.8 and 9,
		Over level alkali land, through scattering greasewood.
	3.30	Wagon road bears NE. and SW.
	5.00	Foot of limestone spur, bears NW. and SW. Ascend over spu
	35.25	Top of spur bears N.20° W. and S.20° W., 550 rt. above for
	40.00	Set a limestone 24 x 11 x 8 ins., 18 ins.in the ground
	s ;	for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; and raise a mound
		of stone 2 ft.base, 12 ft.high W.of cor.
		Ascend gently over small ridge, main ridge bears E. and W
	44.39	Top of ridge; descend along W.face of ridge.
	,	Salt spring bears N.85° E. 34.65 chs.drains southeaster.
	54.00	Wash 12 ft.deep,20 lks.wide, grains E. Ascend.
	64.00.	Top of E.end of slope of spur of main ridge bears N.20°
	•	. W. Descend.
İ	77.00	Foot of slope between ridges bear E. and W. Thence over
		bench land.
	80.00	Set a limestone 16 x 8 x 5 ins., 11 ins.in the ground
		for cor. of secs. 4,5,8, and 9, marked with 4 notches on
	*	E. and 5 notches on S. edge; raise a mound of stone 2 ft.
		, base, 1 ft. high W. of cor. Pits impracticable.
		Land, mountainous and bench land.
		Soil, alkali and rocky; 4th rate.
- 1	į	

No timber. Undergrowth greasewood and salt grass.

	SUBDIVISION OF T. I S., R. IS W.
Chaine	Mountainous land 75.00 chs.
Unains	Mountainous fand 15.00 ens.
	N.89° 55'E.on a random line bet.secs.4 and 9,
40.00	Set temp. 1 sec.cor.
79.92	Intersect N. and S.line 2 lks.S.of cor.of secs.3,4,9,
,	and 10. Thence I run
	S.89° 54'W.on true line bet.secs.4 and 9,
•	Over slightly ascending land; through scattering shad-
1.77 39.96	scale and salt grass. Wagon rand bears NE. and SW. Set a limestone 13 x 10 x 4 ins. 9 ins.in the ground for
	$rac{1}{4}$ sec.cor., marked $rac{1}{4}$ on N.fæ e; and raise a mound of
	stone 2 ft.bæe, $1\frac{1}{2}$ ft.high N.of cor.Pits impracticable
59.00	Foot of spur bears N. and S.; ascend.
73.00	Top of north face of spur, projects about 7 chs.NW. abou
	ml25 oftrapove root. Thence along N. Pace.
73.50	Begin descent bearing N. and S.
78.00	Foot of spur bears N. and S.
<b>7</b> 9•92	The cor. of secs. 4,5,8, and 9.
•	Land, mountainous.
	Soil, rocky; 3d rate. No timber.
	Undergrowth shadscale and salt grass.
, ·	
: (	
	N.0° 03'W.bet.secs.4 and 5,
20.00	Over slightly ascending land:
12.00	Wash 5 ft.deep,12 lks.wide,drains N.60° E.
13.00	Foot of low round hill bears E. and W.about 10 chs.wide.
14:00	Top of roundhill; thence along top.
	in Begin descent bearing E. and W.
24.00	Foot of hill bears E. and W., 50 ft.below top.
26.00	Wash 3 ft.deep, 10 lks.wide, drains E. Ascend.
40.00	Set a limestone 14 x 12 x 7 ins., 9 ins.in the ground,
	for ½ sec.cor. marked ½ on W.fæe; dig pits 18 x 18 x

12 ins.N. and S.of stone 3 ft.dist.; and raise a mound

80.48

## SUBDIVISION OF T. 1 S., R. 19 W.

chains. of earth 3½ ft.base, 1½ ft.high W.of cor.

50.75 | Road bears NE. and SW.

70.00 Wash 2 ft.deep, 8 lks.wide, drains SE.

Intersect Salt Lake Base line 24225 chs.west of the S standard cor.of secs.33 and 34, established by myself and hereforce described.

Set a quartzite porphyry stone 14 x 12 x 5 ins., 9 ins. in the ground for closing cor.ofs ecs. 4 and 5, marked 6 c on S.face, with 4 grooves on E. and 2 grooves on W.face; dig pits 24 x 18 x 12 ins.crosswise on each line E. and W.3 ft., and S.of stone 7 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high S.of cor. Land. rolling.

Soil, gravelly; 3d rate.

No timber.

Sept.5, 1908.

Sept.6: At the cor.ofsecs.5.6.31232 on S.bdy.of Tp.,established by myself and heretofore described; lat.40° 40'51" N.; long. 114 °C.2' 13 " W., at 8 h.26 m.p.m. by my watch which is 3 m.slow of i.m.t.I observe Po-

laris at eastern elongation, in accordance with Manu-

al of Instructions, and mark a point on the line thus determined by a tack driven in a wooden peg set in the ground 4 chs.N.of my station.

Sept.7: At 7 h. 30 m.a.m.I.law off the azimuth of Polaris 1° 34' to the west and mark the meridian thus determined by a tack driven in a wooden peg set in the ground west of the point established last night. The magnetic bearing of the true meridian is N.18°15'W. which gives the mag.decl. 18°15'F.

i	SOUPTIVISION OF I. T 2. H. T .M.
Chains	Thence I run
, ,	N.0° 04'W.bet.secs.31 and 32,
	Over level alkali land.
40.00	Deposit a quart of charcoal 12 ins.in the ground, for
	) $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.
	4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$
,	ft.high over deposit.
	In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
	ins.in the ground, marked
	$\frac{1}{4}$ S $31$ on W.face, and $32$ on E.face.
80.00	Setoaipine post 3 ft.long, 4 ins.sq., with quart of
	charcoal, 24 ins.in the ground, for cor.of secs.29,
	30,31, and 32, marked
. ,	T 1 S S 29 on NE.
	R 19 W S 32 on SE.
	S 31 on Sw., and
	S 30 on NW.face; with 1 notch on S. and 5 notches
,	on E.edge; dig pits 18 x 18 x 12 ins.in each sec. $5\frac{1}{2}$
	ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.
,	high W.of cor.
,	Land, level.
	Soil, alkali; 4th rate.
•	No timber.
,	
·	East on random line bet.secs. 29 and 32,
40.00	Set temp. 4 sec.cor.
80.00	Intersect N. and S.line 8 lks.S.of the cor.ofs ecs.28,
	29, 32. and 33. Thence I run
•	S.89° 57'W.on a true line bet.secs.29 and 32,
	Over level alkali land.
40.00	Deposit a quart of charcoal 12 ins.in the ground, for
	$\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.
•	4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$

Chains ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

 $\frac{1}{4}$  S 29 on N.face, and 32 on S.face.

80.00 The cor.of secs.29,30,31, and 32.

hand, level.

Soil, alkali; 4th rate.

·No ·timber:

28.46

Over level alkali land.

Intersect Utah-Nevada Bdy.line 2.021678.12.20 chs.from

West on true line bet.secs.30 and 31,

the 43d mile cor.on said bdy., which is a mound of earth with pine stake 2 ft.long 2 ins.sq. 1 ft.above

ground (in pit) marked and witnessed as described by the surveyor general.

Set a sawed pine post 3 ft.long, 4 ins.sq., with quart of charcoal 24 ins.in the ground, for closing cor.of

fractional secs.30 and 31, marked

CCT1SR19WonE.

S 30 on N.,

U on E. and N.on W.face, with 5 grooves on N. and 1 groove on S.face; dig pits 24 x 18 x 12 ins.cross-

wise on each line N. and S.3 ft.and E. of stone 7 ft. dist.; and raise a mound of earth 4 ft.base, 2 ft.

high E.of cor.

Land, level.
Soil, alkali; 4th rate. We timber.

N.0° 04'W.bet.secs.29 and 30,

Over level alkali land.

40.00 Enter scattering shadscale and salt grass.

Deposit a quart of charcoal 12 ins.in the ground, for 2

Chains. sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor. 4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$  ft.high over deposit..

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

coal, 24 ins.in the ground, for cor.of secs.19,20,29

 $\frac{1}{4}$  S 30 on W.face, and 29 on E.face.

80.00 Betoalpineqpost3oftclongqa4 insisq., with quartdofochar.

and 30; matked its 18 x 15 m 11 inc.in such nec.

T 1 S S 20 on NE.
R 19 W S 29 on SE.

v , v ,

S 30 on SW., and

es on.E.edge; dig pits 18 x 18 x 12 ins.in each sec.

S 19 on NW. face; with 2 notches on S. and 5 notche

5½ ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high W.of cor.

Land, level.

Soil, alkali; 4th rate.

No timber.

N.89° 57'E.on a random line bet.secs.20 and 29

Set temp. sec.cor.

40.00

80.02

35.00

40.01

Intersect N. and S.line 2 lks.S.of the cor.of secs.20,

21, 28 and 29. Thence I run ,over level alkali land.

S.69° 56'W.on true line bet.secs.20 and 29, Enter scattering shadscale and salt brush NE. & SW.

Deposit a quart of charcoal 12 ins.in the ground, for

sec.cor: dig pits 18 x 18 x 12 ins.E. and W.of cor.

4 ft.dist.; and raise a mound of earth 3 to ft.base, 1 ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

ins.in the ground, marked

\$ S 20 on N. face, and 29 on S. face.

		SUBDIVISION OF T. 1 S., R. 19 W.
	Chains	
	80.02	The cor. of secs. 19,20,29, and 30.
		Land, level.
		Soil, alkali; 4th rate.
		No timber.
		West on true line bet.secs.19 and 30,
		Over level alkali land.
		Through scattering shadscale and salt brush.
,	27.69	Intersect telephone line bears N.11° E. and S.11° W.
	27.84	Intersect Utah-Newada Bdy.line at 12.16 chs.s.o. 16 w.
		of the 42d mile cor., which is appine post hereto-
		fore described.
	•	Set a pine post 3 ft.long, 4 ins.sq., with quart of
	, .	charcoal 2%rins; in the ground, for closing cor.of
		fractionaldsecs.19 and 30, mkd corruis Raig.w onte.
		S 19 on N., and S 30 on S., U on E. and N. on ag; W. faces; : with 4 grooves on N. and 2 grooves
		on S. face; dig pits 24 x 18 x 12 ins.crosswise on
		each line N. and S. 3 ft., and E. of post 7 ft. dist.;
		and raise a mound of earth 4 ft.bæe, 2 ft.high E.of
		cor.
		Land, level.
•	<b>.</b>	Soil, alkali; 4th rate.
	*	No timber.
	,	
	·	N.0° 04'W.bet.secs.19 and 20,
	•	Over alkali land; through scattering shadscale and salt
		brush.
	40.00	Deposit a quart of charcoal 12 ins. in the ground, for 1
		sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.
	i i	

4 ft.dist.; and raise a mound of earth  $\frac{1}{3}$  ft.base,  $\frac{1}{2}$ 

ft.high over deposit.

chains. 59.50 | Salt slough 2 ft.deep, 10 lks.wide, drains SE.

74.08 SE Cor.machine shop Western Pacific R.R. 1.5 lks.west

building 20.5 x 76 lks., course of long sides S.65° W.

76.77 Telephone line bears NE. and SW. 77.46 Main line Western Pacific R.R.at Wendover station, on

n line western Pacific R.R. at wendover station, on

curve bears N.64° 25'E.; end of curve 1.20 chs.E.

Begin slight ascent over gravelly bench.

80.00 Set a limestone 16 x 9.x 7 ins., 11 ins.in the ground,

for cor.of secs.17,18,19, and 20, marked with 3 notches

on S. and 5 notches on E.edge; and raise a mound of

stone 2 ft.base,  $1\frac{1}{2}$  ft.high W.of cor.Pits impracticable.

. NW Cor.station house 24 x #2 lks., at Wendover,

... Western, Pacific R.R. Co., bears S.40° 22'W.

5.48 chs.dist; course of long sides S.64° W.

Center north bent of tank frame bears S.27° 30'E.

2.43 chs.

S.E.Cor.frame building 24.5 x 55 lks., bears N.80°

20'W. 3.06 chs.dist.

Land, level.

Soil, alkali; 4th rate.

No timber.

Undergrowth shadscale and salt brush.

,

N.89° 56'E.on a random line bet.secs.17 and 20,

40.00 Set temp. \( \frac{1}{4} \) sec.cor.

80.04 Intersect N. and S.line at the cor.of secs.16,17,20,

and 21. Thence I run

s.89° 56'W.on true line bet.secs.17 and 20,

Over level alkali land; through scattering shadscale

and salt brush.

40.02 Deposit a quart of charcoal 12 ins.in the ground, for \frac{1}{4}

sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.

4 ft.dist.; and raise a mound of earth 3 to ft.base, 12

-38-

74.41

75.10

80.04

3.06

### SUBDIVISION OF T. 1 S., R. 19 W.

Chains . ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

ins.in.drbund; mkd 1 Start on N. face, and 20 on S.face. Telegraph line bears SW. and NE.

Main line Western Pacific Ry bears Sw. and NE.

The cor. of secs. 17,18,19, and 20.

Land, level.

Soil, alkali; 4th rate.

No timber.

Undergrowth shadsoale and salt brush. . Sept.7, 1908.

Sept 7: At the cor. of secs. 17,18,19 and 20, lat. 40.43.
27.5." N.; long. 114.02.13" W., at 8 h. 22 m.p.m.by my

watch which is 3 m.slow of l.m.t.I observe Polaris at eastern elongation, in accordance with instructions

in the Manual, and mark a point in the line thus determined by a tack driven in a wooden peg set in the

ground 4 chs.N.of my station.

Sept.8: At 7 h. 30 m.a.m.I lay off the azimuth of Polaris 1° 34' to the west and mark the meridian thus determined by a tack driven in a wooden peg set in

the ground west of the point established last night.

The magnetic bearing of the true meridian is N.18°15'W.

which gives the mag.decl.18°15E.

Thence I run

West on true line bet.secs.18 and 19,
Over nearly level bench land; through scattering shadscale brush.

rsect E end of frame cabin Z

Intersect E.end of frame cabin 30 x 361ks.3 1ks.from NE Cor. bears N.25° W.

3.13. Intersect N.side of frame cabin 6.4.1ks.from NE.Cor.bears

8.95 Telephone line bears N.80° E. and S.80° W.

9 [GITT23116]							
11.07	Road	heone	2.17.7	(1,22.)	CHI		

LL.07 Road	i bears	NF.	કામત્	SW	
------------	---------	-----	-------	----	--

11.90 Road bears IN . and SE.

Road bears N. and B. 19.75

21.00 ·Foot of limestone spur bears N.45° W.

Telephone line bears N. and S.

23.15

25.00

Top of spur.

Thence nearly level.

27.42

16.94

. . . 40.00

43.00

60.00

Intersect Utah-Nevada Bdy.line S.0° 12'W.11.93 chs.from

the 41st.mile cor., heretofore described.

Set a limestone 22 x 7 x 4 ins., 17 ins.in the ground

for closing cor.of fractional secs.18 and 19, marked

C C U on E., N on W., with 3 grooves on M. and S.

faces., and raise a mound of stone 2 ft.base,  $1\frac{1}{2}$  ft. high E. of cor. Pits impracticable.

Land, nearly level.

Soil, gravelly; 3d rate.

No timber.

Undergrowth shadscale.

N.00 04'W.bet.secs 17 and 18,

Over slightly ascending, gravelly bench land; through

scattering shadscale brush. Telephone line bears NV. and SE.

1.55 14,10 Road bears N.75° W. and S.75° E.

35.00

Telephone line bears N.80° E.

Foot of spur about 15 chs.wide, bears E. and W.

Thence steep ascent.

Set a limestone  $14 \times 10 \times 5$  ins., 9 ins.in the ground,

for 1 sec.cor., marked 1 on W. face; and raise a mound

of stone 2 ft.base, 1 ft.high W.of cor.Pits imprac-

ticable. Top of spur, 100 it above 1 sec. cor. bears N. and S.

Thence along top, on nearly level land,

Begin descent over north slope.

Foot of spur, bears E. and W. ,15 rt.below top. 63.50

		SUBDIVISION OF T. 1 S., R. 19 W.
7701		
	Chains.	Thence slight ascent over bench land.
	6 <b>8.</b> 00	Wash 5 ft.deep, 20 lks.wide, drains S.60° E.
	73.66	Road Dears E. and W.
	go.00	Set a limestone 20 x 14 x 12 ins., 15 ins.in the ground
	To the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of th	for cor.of secs.7,8,17, and 18, marked with 5 notches
		on E. and 4 notches on S.edge; and raise a mound of
		stone 2 ft.base, $1\frac{1}{2}$ ft.high W.of cor.Pits impracti-
		cable.
		Land, mountainous and bench.
		Soil, gravelly; 3d rate.
		No timber.
		Undergrowth shadscale.
		Mountainous land 45.00 chs.
		N.89° 56'E.on a random line bet.secs.8 and 17,
	40.00	Set temp. 1/4 sec.cor.
	80.06	Intersect N. and S.lins 4 lks.S.of cor.of secs.8,9,16
		and 17. Thence I run
-	and the same of the same	S.89° 54'W.on true line pet.secs.8 and 17,
-		Over alkali land, level; through shadscale and salt
- Charles of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the S	1	brush.
diameter de centre	2.15	Road bears S.45° W. and N.45° E.
for de principal	3.00	Leave salt brush; begin ascent over south end of spur
1	4	bears SW. and NE.
	9.00	Top of limestone spur, projects S.25° E. 4.50 chs., 150
		Tift, above sec.cor. Descend.
1	13.00	Poot of spur bears N.15° W. and S.15° E.
1	2 5	Thence over gravelly bench.
a september.	34.00 j	Wash, 4 ft.deep, 20 lks.wide, drains south.
2 00 4 654 24	35.00	Foot of limestone spur, projects north 8 chs.
į	•	Ascend

40.03 Set a limestone 13 x 11 x 4 ins., 9 ins.in the ground,

for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on N. face; and raise a mound Chains of stone 2 ft.base, 1 ft.high N.of cor.Pits impracticable.

Top of N.face of spur, bears N. and S., 125 It. above foot.

Slight descent.

64.00 Foot of spur bears NE. and S.

Thence over nearly level bench.

73.55 Road bears N.45° E. and S.45° W.

The cor.of secs.7,8,17, and 18.  $^{\circ}$ 

Land, mountainous and level.

Soil, alkali and gravelly bench; 4th and 3d rate.

No timber.

.80.06

11.60

20.00

25.50

26,56

Undergrowth shadscale and salt brush.

Mountainous land 61.00 chs.

West on true line bet.secs.7 and 18.

overnnearly level bench land; through shadscale brush. Wash 3 ft.deep, 12 lks.wide, drains S.

Begin ascent bears N. and S.

Foot of limestone spur, bears S.20° W. and N.20° E.

· Ascend. Highest point on Sislope of limestone spur, 500ftcabove Foot, projecting about 7. the 6; slight descent.

Intersect Utah-Nevada Bdy.line at S.0° 32'W.11.70 chs.

from the 40th mile cor.on said bdy., heretofore described.

Set a limestone 18 x 8 x 4 ins., 12 ins.in the ground, for fractional secs. 7 and 18, marked C C U on E.

N on W., with 2 grooves on N. and 4 grooves on S. face; and raise a mound of stone 2 ft.bæe,  $l^{\frac{1}{2}}$  ft.high E.of

cor.Pits impracticable:

Land, level bench.

Soil, gravelly; 3d rate.

No.timber. " No. 1 And "

Chains Undergrowth shadscale.

14.50

50.41

55.67

65.50

shadscale brush.

N.0° 04'W.bet.secs.7 and 8,
Over ascending gravelly bench land; through scattering

From this point I see that I shall be unable to chain to top of mountain on line; therefore I leave a flag at this point.

- 25.50 Foot of limestone spur, bears E. and W.; thence steep ascent.

  40.00 Falls on SW.face; of spur, where I am unable to set a
- stone; therefore I mark a cross (X) at this point for  $\frac{1}{4}$  sec.cor. and  $\frac{1}{4}$  on W.of cross; and build a mound of stone 3 ft.base, 2 fthhigh 50 lks.S., as this is near-

estnpoint that mound would stand.

- I am unable to chain further; therefore return to 14.50 chs., where I left flag. To determine the distance to
  - top of spur I set a flag on line, then measure a base N.63° 15'W. 36 chs. From the west end of the base the flag on spur bears N.58° 27'E. The angles are: 63°11';

58° 18'; and 58° 31'; making a total of 180°

- a c log.sin 58° 31' equals 0.0691 log sin 58° 18' " 9.9298 log 36.00 " 1.5563
- log 35.91 1.5552

  making the whole distance from sec. cor.14.50 chs. plus

35.91 chs. equals 50.41 chs.,

Top of spur bears N.20° W. and S.20° E.500 it.above foot.

Thence over nearly level land.

- Begin descent along E.slope of rough limestone spur.
  Ravine 20 ft.deep, drains S.70° E.
- 72.50 Top of spur projects s.70° E. about 30 chs. 75 It.above

Chains. Favinet. Descend.

August 100 Carried 1000 Cella

80.00

20.00

28.00

80.08

Set a limestone 14 x 8 x 5 ins., 9 ins.in the ground, for cor.of secs.5,6,7, and 8, marked with 5 notches

on S. and E.edges; and raise a mound of stone 2 ft.

. base, la ft.high W.of cor.Pits impracticable.

Land, Mountainous and level.

Soil, gravelly; 3d rate.

No timber.

Undergrowth shadscale.

Mountainous land 74.74 chs.

N.89°.54 E.on a random line bet.secs.5 and 8,

40.00 | Set temp. 4 sec.cor.

80.08 Intersect N. and S.line at the cor.of secs.4,5,8, and

S.89° 54'W.on true line bet.secs.5 and 8,

9.Thence I run

Over slightly ascending land; through shadscale brush.

6.00 Foot of spur, bears N. and S.

Ascend.

Top of N.slope of spur, projects about 7 chs.north: 75 ft.above foot.

Foot of spur bears NE. and SW., 50 ft.below top.

30.97 | Road bears N.20° H. and S.20° W.

40.04 Set a limestone 12 x 12 x 6 ins., 8 ins.in the ground

for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on N. face, and raise a mound

of stone 2 ft.base, la ft.high N.of cor. Pits im-

d .

practicable. Root of spur bears W. & S. Ascend over spur.

The cor. of secs. 5, 6, 7, and 8, 400 It. above  $\frac{1}{4}$  sec. cor.

Land, mountainous and bench.

Soil, gravelly; 3d rate.

Undergrowth shadscale:

No timber.

Mountainous land74.08 chs.

Mountainous Lana / 7.00 Ons.

	Chains	West on true line bet.secs.6 and 7,						
		Over mountainous land; through scattering shadscale.						
	3.50	Top of ridge bears N. and S., 100 ft.above sec.cor.						
	_	Descend.						
	6.50	Ravine 5 ft.deep, 12 lks.wide drains S.75° W.						
		Descend.						
	11.50	South slope of small spur from main mountain, projects						
		about 5 chs.S.75° W.						
	22.80	Ravine 20 ft.deep, 30 lks.wide, drains S.20° W.						
		Ascend.						
	25.00	Top of small spur projects S.about 5 chs.						
	25·72	Intersect Utah-Nevada Bdy.line at S.0° 32'W.11.38 chs.						
		from the 39th mile cor.on said bdy. heretofore de-						
		scribed.						
	,	Set a limestone 24 x 24 x 4 ins., 18 ins.in the ground						
for closing cor.of fractional secs.6 and 7, mar C C U on E., N on W., with 1 groove on N. and 5								
		base, 12 ft.high E.of cor.Pits impracticable.						
		Land, mountainous.						
	1	Soil, gravelly; 3d rate.						
		No timber.						
	-	Undergrowth shadscale.						
		Mountainous land 25.72 chs.						
	and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t							
	i de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de l	N.0° 04'W.bet.secs.5, and 6,						
	h	Over slightly ascending E.slope of ridge; through						
	חמ זב	scattering shadscale brush.						
to minimize where	28.75	Top of spur from main ridge, projects SE. about 30 chs.						
-	36.25	Ravine 15 ft.deep, 50 lks.wide, drains S.70° E. Ascend.						
	40.00	Set a limestone 12 x 9 x 9 ins., 8 ins.in the ground,						
1								

Chains. for \( \frac{1}{2} \) sec.cor., marked \( \frac{1}{2} \) on W.face; and raise a mound of stone 2 ft.base, \( \frac{1}{2} \) ft.high W.of cor. Pits impracticable.

41.50 Top of apur bears E. and W.. 25 ft.above \( \frac{1}{2} \) sec.cor.

Descend over rough E.face of ridge.

Ravine 15 ft.deep, 40 lks.wide, drains N.70° E.,100 rt. bedow top of spur. Ascend.

Top of spur, projects about 10 chs.E. Descend.

64.00

66.00

68.00

76.50

80.60

Bottom of ravine 10 ft.deep, 35 lks.wide, drains E.

ascend.

Top of spur, projects about 10 chs.S.70° E.,75 it.above

Deravine. Descend.

Intersect Salt Lake Base line at west 24.38 chs.from the

standard cor.of secs.32 and 33, established by myself and heretofore described. Set a limestone 30 x 10 x 8 ins., 22 ins.in the ground

for closing cor.of secs.5 and 6, marked C C on S.face 1 groove on W.nnd 5 grooves on E.face, and raise a mound of stone 2 ft.base, 12 ft.high S.of cor. Pits

impracticable.

Land mountainous.

Soil, gravelly; 3d rate.

No timber.

Undergrowth shadscale.

Mountainous land 80.60 chs.

Sept.8, 1908.

#### GENERAL DESCRIPTION

This township is divided into three distinct classes of land, salt, alkali, gravelly bench and mountainous.

The southeastern portion of the township, comprising all of secs.25,35, and 36, the southeastern

portion secs. 24,26 and 34 contain a valuable deposit of salt, varying in thickness from one inch to many feet in depth,

The northwestern portion, comprising sections 3,4, 5,6,7,8,9,17, and 18 contains the gravelly beench, sloping to the south and the mountainous land of high, rough, limestone spurs. This portion is covered with a scant growth of shadscale brush, which supplies some feed for sheep in winter. All of the other portions of the township is an alkali flat, the northwestern rim of which is covered with a scant growth of shauscale and salt brush. No portion of the township is fit for agriculture.

There is no water in this township. There is no timber in the township.

The main line of the Western Pacific R.R., a rail road now being constructed from Salt Lake City to San Francisco, passes through sections 13,14,15,16,17,19, and 20 of this township. Wendover, a station 121 miles west of Salt Lake City is located in the S.W.Cor.sec.17, S.E.cor.sec.18, N.E.cor.sec.19 and N.W.cor.sec.20. It c contains about six dwelling houses, station house, machine shop, tank and about 50 inhabitants, all employees of the railroad, with their families.

There are no other settlers in the township.

Robert E. L. Cellier
U.S. Deputy Surveyor.

# FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

A list of the names of the individuals employed by	
, United States Deputy Surveyor, to assist in running, n	neasuring, and
king the lines and corners described in the foregoing field notes of the survey of	
wing the respective capacities in which they acted:	
r list of names and final oaths of assistants see book "L"	., Chainman.
rp.2 S., R. 17 W.	., Chainman.
,	, Moundman.
	., Axman.
etr .	
FINAL OATH OF ASSISTANTS.	•
We hereby certify that we assisted	
e parts or portions of the	
of the.	
meridian,	<del>-</del>
ne foregoing field notes as having been surveyed by him and under his direction; and the been in all respects, to the best of our knowledge and belief, well and faithfully surv	
er monuments established, according to the instructions furnished by the United St	
eral for	
~~	, Chainman.
	, Chainman.
	, Moundman.
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	, Moundman.
	, Axman.
	•
cribed and sworn to before me this)	
lay of, 190	
OOOOOO O SEAL Q	** ** *** *******
500000 Isi	

# FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I,
solemnly swear that, in pursuance of a contract received from
United States Surveyor General for, bearing date of
day of, 190 , I have well, faithfully, and truly, in my of
proper person, and in strict conformity with the instructions furnished by the United States Surve
General for, the Manual of Surveying Instructions, and the laws of
United States, surveyed all those parts or portions of
For final afridavit see book "L" Tp. 2 S., R. 17 W.
of +ha
meridian, in the of which are represented in
foregoing field notes as having been surveyed by mo, and under my direction; and I do further solem
swear that all the corners of said survey have been established and perpetuated in strict accordance we the Manual of Surveying Instructions, and the special written instructions of the United States Surveying Instructions and in the specific manner described in the field notes, and in the specific manner described in the field notes, and in the specific manner described in the field notes, and in the specific manner described in the field notes, and in the specific manner described in the field notes, and in the specific manner described in the field notes, and in the specific manner described in the field notes, and in the specific manner described in the field notes, and in the specific manner described in the field notes, and in the specific manner described in the field notes, and in the specific manner described in the field notes, and the specific manner described in the field notes, and the specific manner described in the field notes, and the specific manner described in the field notes, and the specific manner described in the field notes, and the specific manner described in the field notes, and the specific manner described in the field notes, and the specific manner described in the field notes, and the specific manner described in the field notes, and the specific manner described in the field notes.
the foregoing are the original field notes of such survey.
Robert E. L. Collins United States Deputy Surve
Subscribed by said, and sworn to before me)
thisday of, 190
this
999999 \$EAL \$ \$CCCCCC
APPROVAL.
OFFICE OF THE UNITED STATES SURVEYOR GENERAL,
Salt Lake City, Utah, January 21, 190
The foregoing field notes of the survey of the subdivisional lines of Township
No. 1 South, Range No. 19 West or the Salt Lake Base and Meridian,
Uteh,
executed by Robert E.L.Collier
under his contract No. 301 , dated - March 5, 1908, having
critically examined, and the necessary corrections and explanations made, the said field notes, and
surveys they describe, are hereby approved.
Mamaskill
United States Surv for Gene
I certify that the foregoing transcript of the field notes of the above-described surveys in
has been correctly copied from the original notes on file in this office
United States Surveyor Gene

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6-151

B00K A-346

# Field Notes

OF THE SURVEY OF THE

FILED
OCT // 1908

SUBDIVISION
O. F
TOWNSHIP NO. 2 SOUTH
RANGE NO. 19 WEST
Of the SALT LAKE BASE AND Meridian,
UTAH
AS SURVEYED BY
Robert E.L.Collier, United States Deputy Surveyor,

er his Contract No. 301 , dated March 5, 190 8.

vey commenced \_\_\_\_\_\_ September 10, \_\_\_\_\_\_, 190 8.

56-74-79 Blooming 63-59

### NAMES AND DUTIES OF ASSISTANTS.

	Ralph	 Chainmen								
	David	Sharp	Jr.	· <b>?</b>	Chai	Chainman.				
	R.Harold Browne,				Moundman.					
	Ralph M.Wind,			Flagman.						
For preliminary	afrid	avits	see	book	n.L.n	Tp.	1 N.,	R.	19	W.
***************************************							,			
				,	***********					
,										
		***********					*********			
C151										

B00K A-346

# INDEX DIAGRAM.

Tou	nsl	hip	2	South	· ,	Rang	1e	19 We	st.	
6	41	5'	3 <b>Q</b>	. 4	23	8	15	2	8	1
41		40		30		22		15		8
i 39	39	8	29	9 28	21		14	11	7	12
	<u> </u>	38	_			. 51		14_	<del></del>	7
,	37	17	27	16	20		13	14	6	13
37		36		27	1	20		12		5
19 35	35	20 34	26	21 26	19	18 18	12	28 11	5	24 Ц
	33	29 32	25	28 24	. 17	27 17	10	26 10	3	·25 3
81	31	82	23	88	<b>1</b> 6	84	9	85	2	<b>36</b>

Meanders Page.....

# BOOK A-346 PRELIMINARY OATHS OF ASSISTANTS.

chain upon even and uneven ground, and plumb we will report the true distances to all notable measuring, to the best of our skill and ability, an	ully execute the duties of chainmen; that we will level the tally pins, either by sticking or dropping the same; objects, and the true lengths of all lines that we assist and in accordance with instructions given us, in the survey
	, Chainm.
,	, Chainm
Subscribed and sworn to before me this	}
day of, 190	)
TERRES SEAL (S	
WE	and
do solemnly swear that we will well and trul of corners, according to the instructions given	ly perform the duties of moundmen in the estab and us, to the best of our skill and ability, in the survey
	, Mound
_	, Mound.
Subscribed and sworn to before me this	
day of, 190	{
Secretain	
SEAL	
WE,	and
do solemnly swear that we will well and truly pe and other duties, according to instructions given	perform the duties of axmen in the establishment of and us, to the best of our skill and ability, in the survey
	· · · · · · · · · · · · · · · · · · ·
	, As.
	, Awı
Subscribed and sworn to before me this, 190	}
SEAL (*	
	•
perform the duties of flagman according to instr	ructions given me, to the best of my skill and ability, in
survey of	radions given inc, to the best of my skin and admity, in
	, Flagm
Subscribed and sworn to before me this	
day of, 190	<b>)</b>
(A) SEAL (A) (B) SEAL (A)	

Chains. Survey commenced Sept.10, 1908, and executed with a C.L.Berger & Sons light mountain transit, No.5778.

The horizontal limb is provided with double verniers placed opposite each other and reading to single minutes of arc.

The instrument was examined, tested on the true meridian at Salt Lake City, found correct and approved by the Surveyor General for Utah August 12, 1908.

I examine the adjustments of the transit and correct the level and collimation errors.

At the cor. of Tps.2 and 3 S., Rs.18 and 19 W., which is a deposit of glass, with pits and md., with stake in pit marked and witnessed as described by the surveyor general; lat.40° 35' 38" N.; long.113° 56'31" W., at 8 h. 10 m.p.m.by my watch which is 3 m. slow of l.m.t., I observe Polaris at eastern elongation, in accordance with instructions in the Manual, and mark a point in the line thus determined on a stake driven in the ground 4 chs.N.ofmmy station.

Sept.11: At 8 a.m.l.m.t.I lay ff the azimuth of Polaris 1° 34' to the west and mark the meridian thus determined by cutting a mark on a stone firmly set in in the ground westof the mark established last night; the magnetic bearing of the true meridian is N.18° 15'W., which gives the mag.decl.18° 15'E.

From the township corner already described I retrace north along the E.bdy.of sec.36, and at 40.00 chs. intersect the \( \frac{1}{4} \) sec.cor., which is a glass deposit with pits and mound of earth, with stake in S.pit, marked and witnessed as described by the surveyor general; and at 80 chs.intersect the cor.of secs.25, 30,31, and 36, which is a glass deposit with stake and in SE pit, marked and witnessed as described by sur-

veyor general.

From said township corner I run west along S.bdy.of sec.36, and at 40.01 chs. intersect the \$\frac{1}{2}\$ sec.cor., which is a deposit of glass with stake in E.pit, marked and witnessed as described by Surveyor General Atso.03 chs.intersect the cor.of secs.1,2,35, and 36, which is a glass deposit with stake in SE.pit marked and witnessed as described by Sur.General. Therefore the bearings are as stated by the Sur.Gen. and my chaining practically agrees with the original survey.

From the cor.of secs.1,2,35, and 36 on S.bdy of the Tp, heretofore described, I run

N.0001'W.bet.secs.35 and 36,

Over level alkali land.

40.00

80.00

Deposit a quart of charcoal 12 ins.in the ground, for  $\frac{1}{4}$  sec.cor., dig pits 18 x 18 x 12 ins. N. and S.of cor.4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft.high over deposit.

In S.pit drive a pine stake 2 ins.sq.,21ft.long, 129

 $\frac{1}{4}$  S 35 on W.face and 36 on E.face.

Deposit a equart jof charcoal 12 ins.in the ground for cor.of secs.25,26,35, and 36; dig pits 18 x 18x 12 ins.in each sec.4 ft.dist., and raise a mound of

earth 4 ft.base 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.square

12 ins.in the ground, marked

T 2 S S 25 on NE.

R 19 W S 36 on SE

S 35 on SW., and

S 26 on NW.face, with 1 notch on S. and E.edges.

Land, level.

Soil, alkaline, 4th rate.

Chains No timber.

40.00

80.02

40.01

80.02

40.00

The cor.of secs.25,30,31, and 36 on E.bdy.of Tp. being plainly visible, I run for said cor.

N.89° 59'E.on random line bet.secs.25 and 36,

Set temp. z sec.cor.

Intersect the cor.of secs.25,30,31, and 36, which is a glass deposit, with pits and mound; stake in S.pit

glass deposit, with pits and mound; stake in S.pit marked and witnessed as described by the surveyor

general. Thence I run
S.89°59'W.on true line bet.secs.25 and 36,

Over level alkali land, Deposit a quart of charcoal 12 ins.in the ground, for

 $\frac{1}{4}$  sec.cor., dig pits 18 x 18 x 12 ins.E. and W.of cor.4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.

In E.pit drive a pine stake 2 ins.sq., 211t.long, 12; dusagin, the ground, marked

½ S 25 on N.face, and 36 on S.face.

base, 12 ft.high over deposit.

The cor.of secs.25,26,35, and 36. Land, level.

Soil, alkaline; 4th rate.

No timber.

N.0°01'W.bet.secs.25 and 26,

Over level alkali land.

½ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of
cor.4ft.dist.; and raise a mound of earth 3½ ft.base

 $1\frac{1}{2}$  ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq.;

Deposit a quart of charcoal 12 ins.in the ground for

Chains!

1994 Alaning dombherground, narked .

1 S 26 on W. face and 25 on E.face.

Deposit a quart of charcoal, 12 ins.in the ground, for 80.00

> cor.of secs.23,24,25, and 26,; dig pits 18 x 18 x 12 ins.in each sec.4 ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 2 S S 24 on NE.

R 19 W S 25 on SE

S 26 on SW., and

S 23 on NW.face, withl notch on E. and 2 notches on S.edges.

Land, level.

Soil, alkaline; 4th rate.

No timber.

The cor. of secs. 19,24,25 and 30 on E.bdy. of Tp. being plainly visible, I run for said cor.

N.89° 59 E.on a random line bet.secs.24 and 25

Set temp.  $\frac{1}{4}$  sec. cor.

Intersect the cor.of secs.19,24,25, and 30, which is a glass deposit, with pits and mound; stake in SEppit marked and witnessed as described by Sur.General.

Thence I run

40.00

80.02

40.01

8.89° 59'W.on true line bet.secs.24 and 25, Over level alkali land.

Deposit a quart of charcoal, 12 ins.in the ground, for  $\frac{1}{4}$  sec.cor.; digapits 18 x 18 x 12 ins.E. and W.of cor.4 ft.dist.; and raise a mound of earth 31 ft.

base,  $1\frac{1}{2}$  ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

N.0001 W.bet.secs.23 and 24,

SUBDIVISION OF T. 2'S., R. 19 W.

Chains 1 S 24 on N.face; 25 on S.face. The cor.of secs.23,24,25, and 26. 80.02

Land, lievel.

Soil, alkaline; 4th rate.

Nootimber.

40.00

52.00

80.00

Over level alkali land.

Deposit a quart of charcoal, 12 ins.in the ground, for

 $\frac{1}{4}$  sec.cor., dig pits 18 x 18 x 12 ins.N. and S.of

cor.4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

11 ft.high over deposit.

1 S 23 on W.face, and 24 on E.face.

Leave alkali; enter salt lands.

Bet alpine post &fft.long, 4 ins.sq, with quart of charcoal, 24 ins.in the ground for cor.of secs.13,14,2

T 2 S S 13 on NE.

23 and 24, marked

R 19 W S 24 on SE.

S 23 on SW., and

S 14 on NW.face, with 1 notch on E. and 3 notches

on S.edges. Pits and mound impracticable.

Land, level.

Soil, alkaline 4th rate, and salt.

No timber.

The cor. of secs. 13, 18, 19 and 24 on E.bdy. of Tp. being plainly visible, I run for said cor.

N.89° 57'E.on random line bet.secs.13 and 24,

```
Chains.
        Set temp. 1 sec.cor.
40.00
        Intersect the cor.of secs.13,18,19, and 24, which is a
80.02
          glass deposit, with pits and mound of earth; stake
          in SE pit, marked and witnessed as described by the
        T Surveyor General. Thence I run
            S.89° 57'W.on true line bet.secs.13 and 24,
        Over level salt land.
        Set a pine post 3 ft.long, 4 ins.sq., with quart of
40.01
          charcoal, 24 ins.in the ground, for \frac{1}{4} sec.cor., m
          marked & Salk on N. face and 24 on S. face. Pits and
          mound impracticable.
        The cor. of secs. 13, 14, 23, and 24.
80.02
        Land, level.
        Soil, salt.
        No timber.
                  N.0001 W.bet.secs.13 and 14,
        Over level salt land.
40.00
        Set a pine post3 ft.long, 4 ins.sq., with quart of
          charcoal, 24 ins.in the ground, for \frac{1}{4} sec.cor.,
          marked 1 S 14 on W. face, and 13 on E. face. Mound and
          pits impracticable.
80.00
       Set a pine post 3 ft.long, 4 ins.sq,, with quart of
          charcoal, 24 ins. in the ground for cor. of secs. 11,
          12,13, and 14, marked
              T 2 S S 12 on NE.
              R 19 W S 13 on SE.
               S 14 on SW., and
               S 11 on NW.face, with 1 notch on E. and 4 notch-
          es on S.edges. Pits and mound impracticable.
        Land, level.
```

Soil, salt.

No timber.

Chains. The cor.of secs.7,12,13, and 18 on E.bdy. of Tp. being plainly visible, I run for said cor.

N.89° 57'E.on random line bet.secs.12 and 13,

Set temp. sec.cor.

So.04 Intersect the cor.of secs.7,12,13, and 18, which is a glass deposit, with pits and mound of earth; stake in

SE pit, marked and witnessed as described by Sur.General.

Thence I run

40.02

80.04

40.00

g0.00

Over level salt bed.

Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for ½ sec.cor.,

marked 1 S 12 on N. face and 13 on S. face. Mound and

S.89° 57'W.on true line bet.secs.12 and 13,

pits impracticable.

The cor.of secs.11,12,13, and 14.

Land, level.

Soil, salt.

No timber.

N.0°01'W.bet.secs.ll and 12,

Over level salt bed.

charcoal, 24 ins.in the ground, for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  S 11 on W.face, and 12 on E.face. Mound and

Set a pine post 3 ft.long, 4 ins.sq., with quart of

Set a pine post 3 ft.long, 4 ins.sq, with quart of

· pits impracticable.

charcoal, 24 ins.in the ground for cor.of secs.1,2, 11, and 12, marked

T2SS1 on NE. ·

R 19 W S 12 on SE.,

S 11 on SW., and

S 2 on NW.face; with I notch on E. and 5 notches on S.edge. Pits and mound impracticable.

Chains, Land, level. Soil, salt. No timber. The cor. of secs. 1,6,7, and 12 on E.bdy. of Tp. being plainly visible, I run for said corner. N.89° 57 T.on a random line bet.secs.1 and 12, 40.00 Set temp. 1 sec.cor. 80.06 Intersect the cor.of secs.1,6,7, and 12, which is a glass deposit with pits and mound of earth; stake in SE pit, mkd.and witnessed as described by Sur.General. Thence I run S.89° 57'W.on true line bet.secs.1 and 12, Over level salt bed. 40.03 Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for 1 sec.cor. marked  $\frac{1}{4}$  S 1 on N. face, and 12 on S. face. Mound and pits impracticable 100. 80.06 The cor.of secs.1,2,11, and 12. Land, level. Soil, salt. No timber. The cor. of secs. 1, 2, 35, and 36 on N. bdy. of Tp. being plainly visible, I run for said cor. N.000% E on random line bet.secs.1 and 2, 40.00 Set temp. 1 sec.cor. 80.08

Intersect N.bdy.of Tp.at the cor.of secs.1,2,35, and 36, set by me and heretofore described.

Thence I run

S.0° 03'W.on true line bet.secs.1 and 2; Over level salt bed.

Chains.

40.08 Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for \( \frac{1}{4} \) sec.cor., marked \( \frac{1}{4} \) S 2 on W.face, and 1 on E.face. Mound and pits impracticable.

80.08 The cor.of secs.1,2,11, and 12.
Land, level salt bed.

Soil, salt.

No timber.

40.00

g0.00

From the cor. of secs. 2,3,34, and 35 on S.bdy. of Tp., which is a deposit of glass, with pits and mound of earth; stake in SE pit marked and witnessed as described by Surveyor General. Them.

N.0°02'W.bet.secs.34 and 35, Over level alkali land. Deposit a quart of charcoal 12 ins.in the ground, for

 $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

1 S 34 on W.face, and 35 on E.face.

Deposit a quart of charcoal 12 ins.in the ground, for cor.of secs.26,27,34, and 35; dig pits 18  $\times$  18  $\times$  12 ins. in each sec., 4 ft.dist.; and raise a mound of

earth 4 ft.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 2 S S 26 on NE.

R 19 W S 35 on SE.

s 34 on sw., and

S 27 con NW.face, with 2 notches on E. and 1 notch on S.edges.

 	A street of the
Chains	Land, level.
	Soil, alkaline; 4th rate.
	No timber.
	The cor.of secs.25,26,35, and 36 being plainly visible
	I run for said corner,
	N.89° 58'E.on random line bet.secs.26 and 35,
40.00	Set temp. 1/4 sec.cor.
80.00	Intersect the cor.of secs.25,26,35, and 36,
	Thence I run
	S.89° 58 W.on true line bet.secs.26 and 35,
	Over level land.
40.00	Deposit a quart of charcoal, 12 ins.in the ground, for
	$\frac{1}{4}$ sec.cor. dig pits 18 x 18 x 12 ins.E. and W.of cor.
	4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base,
,	la ft.high over deposit.
	In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
•	ins.in the ground, marked
	$\frac{1}{4}$ S 26 on N. face, and 35 on S. face.
80.00	The cor. of secs. 26, 27, 34, and 35.
	Land, level.
	Soil, alakline; 4th rate.
,	No timber.
	N.0°02'W.bet.secs.26 and 27,
	Over level land,
40.00	Deposit a quart of charcoal 12 ins.in the ground, for
	$\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of
	cor.4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.
4	base, light over deposit.
	In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
	ins.in the ground, marked
1	

 $\frac{1}{2}$  S 27 on W.face, and 26 on E.face. Chains. Deposit a quart of charcoal 12 ins.in the ground for cor.of secs.22,23,26, and 27,; dig pits 18 x 18 x 12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit. In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked T 2 S S 23 on NE. R 19 W S 26 on SE. S 27 on SW., and S 22 on NW.face; with 2 notches on S.and E.edges. Land, level. . . Soil, alkaline; 4th rate. . No timber. The cor. of secs. 23,24,25, and 26 being plainly visible, I run for said corner, N.89° 58'E.on a random line bet.secs.23 and 26, Set temp.  $\frac{1}{4}$  sec. cor. 40.00 Intersect N. and S.line at the cor. of secs. 23, 24, 25, 80.00 and 26. Thence I run :: S.89° 58'W.on a true line bet.secs.23 and 26, Over level land. Deposit a quart of charcoal 12 ins.in the ground for 40.00  $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft.high over deposit. In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked  $\frac{1}{4}$  S 23 on N.face and 26 on S.face. 80.00 The cor.of secs.22,23,26, and 27. Land, level.

Soil, alkali; 4th rate:

No timber.

Chains N.0°02'W.bet.secs.22; and 23, Over level alkali land. Deposit a quart of charcoal 12 ins.in the ground for 40.00 + sec.cor.; dig.pits.lg x lg x l2 ins.N. and S.of cor.4 ft.dist.; and raise, a mound of earth 32 ft. base, 12 ft.high over deposit. 7.1 1.3 In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked . . . .  $\frac{1}{4}$  S 22 on W.face; and 23 on E.face. 80.00 Deposit a quart of charcoal 12 ins.in the ground for cor.of secs. 14,15,22, and 23; dig pits 18 x 18 x 12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit. In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked T 2 S S 14 on NE. R 19 W.S 23 on SE. S 22 on SW., and January S 15 on NW. face; with 2 notches on E. and 3 notches on S.edge. Land, level. Soil, alkali; 4th rate. .. No timber. The cor.of secs.13,14,23, and 24 being plainly visible I run for said corner. N.89° 58'E.on a random line bet.secs.14 and 23, 40.00 Set temp. + sec.cor. Intersect N. and S.line at the cor. of secs. 13,14,23, 80.00 and 24. Thence I run S.89° 58 W.on true line bet.secs.14 and Over level salt bed.

Leave salt bed; enter alkali land.

36.00

Chains.

Deposit a quart of charcoal 12 ins.in the ground for  $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

 $\frac{1}{4}$  S 14 on N.face; and 23 on S.face. The cor.of secs.14,15,22 and 23,

Land, level.

Soil, salt and alkali, 4th rate.

No timber.

80.00

40.00

65.00

80.00

# N.0002'W.bet.secs.14 and 15,

Over level alkali land.

Deposit a quart of charcoal 12 ins.in the ground, for

 $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of

cor.4 ft.dist.; and raise a mound of earth 32 ft.

base, la ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

ins.in the ground, marked  $\frac{1}{4}$  S 15 on W.face and 14 on E.face.

Leave alkali land; enter salt bed.

Set a pine post 3 ft.hong, 4 ins.sq. with quart of

charcoal, 24 ins.in the ground for corcofesecs.10,11,

T 2 S S11 on NE.

R 19 W S 14 on SE.

S 15 on SW., and

14, and 15, marked

5 15 On Sw., and

S 10 on NW.face; with 2 notches on E. and 4 notches on S.edge.Pitsand mound impracticable.

Land, level.

Soil, alkali, 14th rate, and salt.

a timbon

No timber.

SUBDIVISION OF T. 2 S., R. 19 W. The cor. of secs. 11, 12, 13 and 14 being plainly visible Chains I run for said corner, N.89° 58'E.on a random line bet.secs.11 and 14, 40.00 set temp. dec.cor. Intersect N. and S.line at the cor. of secs. 11,12,13, 79.98 and 14. Thence I run S.89° 58'W.on true line bet.secs. 11 and 14. Over level salt bed. 39.99 Set a pine post 3 ft.long, 4 ins.sq, with quart of charcoal, 24 ins.in the ground for ½ sec.cor., marked 1 S 11 on N. face and 14 on S. face. Mound and pits impracticable. 79.98 The cor. of secs. 10, 11, 14, and 15. Land, level. Soil, salt. No timber. N.00 02'W.bet.secs:10 and 11, Over level salt bed. 40.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  S 10 on W.face, and 11 on E.face; di Mound and pits impracticable : par 3 80.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground for corrof secs.2,35d 10; and 11; markeda ! 11 on P. frac. T 2 S S 2 on NE. R 19 W S 11 on SE: S 10 on Sw., and S 3 on NW. face; with 2 notches on E. and 5 notches on S.edge. Pits and mound impracticable. Land, level salt bed.

> Soil, salt, No timber.

Chains. The cor.of secs.1,2,11, and 12 being plainly visible,
I run for said corner,

N.89° 58 E. on a random line bet.secs.2 and 11, Set temp. $\frac{1}{4}$  sec.cor.

79.98 Intersect N. and S.

40.00

39.99

79.98

40.00

80.09

80.09

Intersect N. and S.line at the cor.of secs.1,2,11, and 12. Thence I run  $8.89^{\circ}$  58 W.on true line bet.secs.2 and 11,

Over level salt bed.

Set a pine post 3 ft.long, 4 ins.sq., with quart of

charcoal, 24 ins.in the ground for  $\frac{1}{4}$  sec.cor., marked

Rits and mound impracticable.

 $\frac{1}{4}$  S 2 on N.face, and 11 on S.face.

The cor.of secs.2,3,10, and 11.

Soil, salt.

No timber.

The cor.of secs.2,3,34, and 35 on N.bdy.of Tp.being plainly visible, I run for said corner,

N.00 02 E.on random line bet.secs.2 and 3,

Set temp. 1 sec.cor.

Intersect N.bdy.of Tp.at the cor.of secs.2,3,34, and 35, established by myself and heretofore described.

Thence I run

S.0° 02'W.on true line bet.secs.2 and 3, Over level salt bed.

40.09 Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for ½ sec.cor., marked

½ S'3 on W.face, 2 on E.face.

Pits and mound impracticable.

The cor. of secs. 2,3,10, and 11.

Land, level salt bed.

No timber.

sept.11, 1908, at the cor.of secs.3,4,33 and 34 on S.

bdy.of Tp., which is a glass deposit with pits and

mound of earth, with pine stake in SE pit, marked

and witnessed as described by the surveyor general,

latitude 40° 35' 38" N.; long.114° 01' W., at 8 h.

06 m.p.m., by my watch which is 3 m.slow of local

mean time, I observe Polaris at eastern elongation in

accordance with instructions in the Manual, and mark

the point in the line thus determined by a tack driven in a wooden peg set in the ground 4 chs.N.of my

station.

Sept.11, 1908.

Sept.12, at 7 h. 55 m.a.m.l.m.t.I lay off the azimuth of Polaris 1° 34' to the west, and mark the meridian thus determined by a cross on a stone firmly set in the ground west of the point established last night.

The magnetic bearing of the true meridian is N.18°15'W. which gives the magnetic declination 18°15'E.

From said corner I run

N.0° 03'W.bet.secs.33 and 34,

Over level alkali land.

40.00

**೮0.00** 

Deposit a quart of charcoal 12 ins.in the ground for  $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor. 4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$  ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

 $\frac{1}{4}$  S 33 on W.face, and 34 on E.face.

ins.in the ground, marked

Deposit a quart of charcoal 12 ins.in the ground, for cor.of secs.27,28,33, and 34; dig pits 18 x 18 x 12 ins.in each sec.4 ft.dist.; and raise a mound of

earth 4 ft.base, 2 ft.high over deposit...

Chains. In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked T 2 S S 27 on NE. R 19 W S 34 on SE. S 33 on SW., and S 28 on NW.face, with 1 notch on S. and 3 notches on E.edge. Land, level. Soil, alkali; 4th rate. No timber. The cor. of secs. 26,27,34 and 35 being plainly visible I run for said corner, N.89° 57'E.on a random line bet.secs.27 and 34, 40.00 Set temp. 1 sec.cor. Intersect N. and S.line at the cor. of secs. 26,27,34, 80.00 and 35. Thence I run S.89° 57'W.on true line bet.secs.27 and 34, Over level alkali land. 40.00 Deposit a quart of charcoal 12 ins.in the ground, for 1 sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.4 ft.dist.; and raise a mound of earth 32 ft.

> ins.in the ground, marked \( \frac{1}{4} \) S 27 on N.face; 34 on S.face.
>
> The cor.of secs.27,28,33, and 34.

base, 12 ft.high over deposit.

Soil, alkaline, 4th rate.

Land, level.

No timber.

80.00

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

-		SUBDIVISION OF T. 2 S., R. 19 W.
	Chains	• Over level alkali land.
	40.00	Deposit a quart of charcoal 12 ins.in the ground, for
		$\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins. N. and S.of
		cor.4 ft.dist.; and raise a mound of earth 31 ft.base
		1½ ft.high over deposit.
		In S.pit drive a pine stake 2.ft.long, 2 ins.sq., 12
		ins.in the ground, marked
		$\frac{1}{4}$ S 28 on W.face, and 27 on E.face.
	80.00	Deposit a quart of charcoal 12 ins.in the ground for
		cor.of secs.21,22,27, and 28; dig pits 18 x 18 x12
		ins.in each sec.4 ft.dist,; and raise a mound of
		earth 4 ft.base, 2 ft.high over deposit.
	,	In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12
		ins.in the ground, marked
	,	T 2 S S 22 on NE.
		R 19 W S 27 on SE.
	ŧ	S 28 on SW., and
		S 21 on NW.face, with 2 notches on S. and 3 notch-
	,	es on E.edge.
		Land, level.
		Soil, alkali; 4th rate.
		No timber.
		The cor.of secs.22,23,26, and 27 being plainly visible,
		I run for said corner,
		N.89° 57'E.on a random line bet.secs.22 and 27,
	40.00	Set temp. \( \frac{1}{4} \) sec.cor.
	80.00	Intersect N. and S.line at the cor. of secs. 22,23,26,
		and 27. Thence I run
		S.89° 57'W.on true line bet.secs.22 and 27,
		Over level alkali land.
	~40.00	Deposit a quart of charcoal 12 ins.in the g round, for
		$\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of
1		# and have no w no w ne mineral outer Heat

cor.4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.

Chains base, light.high over deposit. In E.pit drive a pine stake 2 ft.long, 2 ins.sq, 12 ins.in the ground, marked  $\frac{1}{4}$  S 22 on N. face, 27 on S. face. The cor. of secs. 21, 22, 27, and 28. 80.00 Land, level. Soil, alkali; 4th rate.. No timber. N.0° 03' W.bet.secs.21 and 22, Over level alkali land. 40.00 Deposit a quart of charcoal 12 ins.in the ground, for  $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins. N. and S.of cor.4 ft.dist.; and raise a mound of earth 3 ft.base 12 ft.high over deposit. In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked  $\frac{1}{4}$  S 21 on W.face, and 22 on E.face. Deposit a quart of charcoal 12 ins.in the ground, for 80.00 cor.of secs.15,16,21, and 22, dig pits 18 x 18 x 12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base 2 ft.high over deposit. In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked T 2 S S 15 on NE. R 19 W S 22 on SE. S 21 on SW., and S 16 on NW.face; with 3 notches on S. and E.edges. Land, 1 evel. Soil, alakli; 4th rate. No timber.

The cor.of secs.14,15,22, and 23 being plainly visible,

Chains	I run for said corner,
	N.89° 57'E.on a random line bet secs.15 and 22,
40.00	Set temp. ½ sec.cor.
80.00	Intersect N. and S.line at the cor.of secs.14,15,22, and
	23. Thence I run
	S.89° 57'W.on true line bet.secs.15 and 22,
	Over level alkali land.
40.00	Deposit a quart of charcoal 12 ins.in the ground, for
	$\frac{1}{4}$ sec.cor.; dig pits 15 x 15 x 12 ins.E. and W.of cor.
	4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$
	ft.high over deposit.
	In E.pit drive a pine stake 2 ft.long 2 ins.sq., 12
	ins.in the ground, marked
,	$\frac{1}{4}$ S 15 on N.face, 22 on S.face.
80.00	The cor.of secs.15,16,21, and 22.
	Land, level.
	Soil, alaali; 4th rate.
	No timber
_	
	N.09 03 W.b?t.secs.15 and 16,
	Over level alkali land.
40.00	Deposit a quart of ghardoal 12 ins.in the ground, for $\frac{1}{4}$
,	sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.
	4 ft.dist.; and raise a mound of earth 3½ ft.base,1½
	ft.high over deposit.
	In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
	ins.in the ground, marked
	$\frac{1}{4}$ S 16 on W. face, and 15 on E. face.
80.00	Deposit a quart of charcoal 12 ins.in the ground, for
	cor.of secs.9,10,15, and 16; dig pits 18 x 18 $\times$ 12
	ins.in each sec.4 ft.dist.; and raise a mound of earth
	4 ft.base, 2 ft.high over deposit.
	In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12
	ins.in the ground, marked

Chains. T2SS10 on NE.

. R.19 W S 15 on SE.

S 16 on SW., and

S 9 on NW. face; with 3 notches on E. and 4 notch-

es on S.edge.

Land, level.

Soil, alkali; 4th rate.

No timber.

40.00

80.00

36.00

40.00

1:4.01

80.00

40.00

The cor.of secs.10,11,14, and 15 being plainly visible

I run for said corner,

N.89° 57'E.on a random line bet.secs.10 and 15,

Set temp. g sec.cor.

Intersect N. and S.line at the cor.of secs.10,11,14,

and 15. Thence I run over level salt bed, \$.89° 57'W.on a true line bet.secs.10 and 15,

Deave\_salt; enter, alkali land.

Set a pine post 3 ft.long, 4 ins.sq., with quart of

charcoal, 24 ins.in the ground, for  $\frac{1}{4}$  sec.cor.,

marked 4 S 10 on N.face, 15 on S.face: Migroits 18

X188 X178:ins.Extand W.of post 3 ft.dist.; and raise

Lea mound, of earth 32 it base alg. it high H.of cor.

The cor. of secs. 9,10,15, and 16, Land, level.

Soil, alkali; 4th rate, and salt.

No timber.

N.0° 03'W.bet.secs.9 and 10,

Over level alkali land.

Set a redwood post 3 ft.long, 4 ins.sq., with quart of

charcoal, 24 ins.in the ground, for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  S 9 on W.face, and 10 on E.face; dig pits

	Chains.	18 x 18 x 12 ins.N. and S.of post 3ft dist.; and
		raise a mound of earth 32 ft.base, 12 ft.high W.of co
	go.00	Set a redwood post 3 ft.long, 4 ins.sq., with quart of
		charcoal, 24 ins.in the ground, for cor.of secs.3,4,9
		and 10, marked
		T2SS3 on NE.
		R 19 W S 10 on SE.
		S 9 on SW., and
		S 4 on NW.face, with 3 notches on E. and 5 notches
		on S.edge; dig pits 18 x 18 x 12 ins.in each sec., $5\frac{1}{2}$
		ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.
		high W.of cor.
	r .	Land, level.
		Soil, alkali; 4th rate.
	, I	No timber.
,		
	٠	
r		The cor.of secs.2,3,10, and 11 being plainly visible I
	• •	run for said corner,
	1	N.89° 57'E.on a random line bet.secs.3 and 10,
	40.00	Set temp. 1/2 sec. cor.
	79.98	Intersect N. and S.line, at the cor.of secs.2,3,10, and
	-	ll. Thence I rûn
		S.89° 57'W.on true line bet.secs.3 and 10,
		Over level salt bed.
	36.00	Leave salt; enter alkali land.
	39.99	Set a redwood post 3 ft.long, 4 ins.sq., with quart of
	-	charcoal, 24 ins.in the ground, for posecicors marked
		$\frac{1}{4}$ S 3 on N. face, 10 on S. face; dig pits 18 x 18 x 12
		ins.E. and W.of post 3 ft.dist.; and raise a mound of
		earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high N.of cor.
	79.98	The cor. of secs. 3,4,9, and 10.

Land, level.

Soil, salt, and alkali; 4th rate.

Chains. No timber.

The cor.of secs.3,4,33, and 34 on N.bdy.of Tp.being plainly visible, I run for said cor.

N.0° 02'W.on random line bet.secs.3 and 4,

Set temp. d sec.cor. 40.00

Intersect N.bdy.of Tp. at the cor.of secs.3,4,33, and 80.09 34, set by myself, and heretofore described.

Thence I run

S.0° 02'E.on true line bet.secs.3 and 4, Over level alkali land.

- Set a redwood post 3 ft.long, 4 ins.sq., with quart of 40.09 charcoal, 24 ins. in the ground, for \( \frac{1}{2} \) sec.cor., mkd. 1 S 4 on W.face, and 3 on E.face; dig pits 18 x 18 x 12 ins.N. and S.of post 3 ft.dist.; and raise a mound of earth 31 ft.base, 11 ft.high W.of cor.
- The cor.of secs.3,4,9, and 10. 80.09

Land, level.

Soil, alakli; 4th rate. No timber.

From the cor.of secs.4,5,32 and 33 on S.bdy.of Tp., which is a deposit of glass, with pits and mound, stake in SE pit, marked and witnessed as described by the surveyor general. I run

N.0° 03; W. bet.secs.32 and 33,

Over level alkali land. 40.00 Deposit a quart of charcoal 12 ins. in the ground, for  $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.

> 4 ft.dist.; and raise a mound of earth 31 ft.base, 11 ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

```
Chains ins.in the ground, marked
             1 S 32 on W.face, and 33 on E.face.
        Deposit a quart of charcoal, 12 ins.in the ground, for
80.00
        cor.of secs.28,29,32, and 33, dig pits 18 x 18 x 12
          ins.in each sec.4 ft.dist.; and raise a mound of
        earth 4 ft.base, 2 ft.high over deposit.
        In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12
         ins.in the ground, marked
          T 2 S S 28 on NE
            R 19 W S 33 on SE.
            S 32 on SW., and
            S 29 on NW.face; with 1 notch on S. and 4 notches
          on E.edge.
        Land, level.
                                Soil, alkali; 4th rate.
        No timber:
       The cor.of secs.27,28,33, and 34 being plainly visible
         I run for said corner,
           N.89° 55 E.on a random line bet.secs.28 and 33,
40.00
       Set temp. 2 sec.cor.
       Intersect N. and S.line at the cor. of secs. 27,28,33, --
80.00
         and 34. Thence I run
           S.89° 55'W.on true line bet.secs.28 and 33,
       Over level alkali land.
40.00
       Deposit a quart of charcoal 12 ins.in the ground for
         disco.cor.; dig pits 18 x 18 x 12 ins.E. and W.of
         cor.4 ft.dist.; and raise a mound of earth 3\frac{1}{2} ft.
         base, 12 ft.high over deposit.
       In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
         instin the ground, marked
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\$ S 28 on N.face, 33 on S.face.

Chains 80.00 The cor. of secs. 28, 29, 32, and 33. Land, level. Soil, alkali: 4th rate. No timber. N.00 03 W.bet.secs.28 and 29, Over level alkali land. Deposit a quart of charcoal 12 ins.in the ground for 1/2 40.00 sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor. 4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base, 12 ft.high over deposit. In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked 1 S 29 on W.face, 28 on E.face. 80.00 Deposit q quart of charcoal 12 ins.in the ground, for cor.of secs.20,21,28, and 29; dig pits 18 x 18 x 12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit. In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked T 2 S S 21 on NE. R 19 W S 28 on SE S 29 on SW., and

Land, level.

on E.edges.

Soil, alkali; 4th rate. No timber.

The cor.of secs.21,22,27, and 28 being plainly visible
I run for said corner,

S 20 on NW.face; with 2 notches on S.and 4 notches

;· [

# SUBDIVISION OF T. 2 S., R. 19 W.

		SUBDIVISION OF IT IS NOT THE SUBDIVINE OF THE SUBDIVINE O
	Chains	N.89° 55'E.on a random line bet.secs.21 and 28,
	40.00	Set temp. 1/4 sec.cor.
	79.98	Interspet N. and S.line at the cor. of secs. 21,22,27,
		and 25. Thence I run
		E.89° 55'W.on a true line bet.secs.21 and 28,
		Over level alkali land.
	39.99	Deposit a quart of charcoal 12 ins.in the ground for $\frac{1}{4}$
		sec.cor.; dig pits 1g x 1g x 12 ins.E. and W.of cor.
	c	4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$
		ft.high over deposit.
		In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
		ins.in the ground, marked
		$\frac{1}{4}$ S 21 on N.face; 28 on S.face.
•	79.98	The cor.of secs.20,21,28, and 29.
		Land, level.
		Soil, alkali; 4th rate.
		No timber.
		N.0° 03'W.bet.secs.20 and 21,
		Over level alkali land.
	40.00	Deposit a quart of charcoal212 ins.in the ground, for
		$\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of
		cor.4 ft.dist.; and raise a mound of earth 31 ft.
		base, $1\frac{1}{2}$ ft. high over deposit.
		In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
		ins.in the ground, marked
		$\frac{1}{4}$ S 20 on W.face, and 21 on E.face.
	80.00	Deposit a quart of charcoal 12 ins.in the ground, for
		cor.of secs.16,17,20, and 21; dig pits 18 x 18 x 12
		ins.in each sec.4 ft.dist.; and raise a mound of
		earth 4 ft.base, 2 ft.high over deposit.
		In SE.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
		ins.in the ground, marked
		-

T

-27-

Chains T 2 S S 16 on NE.

R 19 W S 21 on SE.

S 20 on Sw., and

S 17 on NW. face; with 4 notches on E. and 3 notch-

es on S.edge.

Land, level.

Soil, alkali; 4th rate.

No timber.

40.00

79.98

39.99

79.98

The cor.of secs.15,16,21, and 22 being plainly visible I run for said corner,

N.89° 57'E.on a random line bet.secs.16 and 21,

Set temp. 1 sec. cor.

Intersect N. and S.line at the cor.of secs.15,16,21 and 22. Thence I run

S.89° 57'W.on true line bet.secs.16 and 21,

Over level alkali land.

Deposit a quart of charcoal 12 ins.in the ground, for

½ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.

4 ft.dist.; and raise a mound of earth 32 ft.base,

1½ ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

ins.in the ground, marked

 $\frac{1}{4}$  S 16 on N. face and 21 on S. face.

The cor.of secs.16,17,20, and 21.

Land, level.
Soil, alkali; 4th rate.

No timber.

N.0° 03'W.bet.secs.16 and 17

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins.in the ground, for

Chains.  $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base  $1\frac{1}{2}$  ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

 $\frac{1}{4}$  S 17 on W. face and 16 on E. face.

Deposit a quart of charcoal 12 ins.in the ground, for cor.ofsecs.8,9,16, and 17; dig pits 18 x 18 x 12 ins in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft. long, 2 ins.sq., 12 ins.in the ground, marked

R 19 W S 16 on SE.

S 17 on SW., and

T 2'S S 9 on NE.

S 8 on NW.face; with 4 notches on E. and S.edges. Land, level.

Soil, alkali; 4th rate.

No timber.

The cor.of secs.9,10,15, and 16 being plainly visible,

N.89° 56'E.on a random line bet.secs.9 and 16:. "

I run for said corner,

Set temp. 2 sec.cor.

Intersect N. and S.line at the cor.of secs.9,10,15,

and 16. Thence I run

40.00

79.96

39.98

S.89° 56'W.on a true line bet.secs.9 and 16,

Deposit a quart of charcoal 12 ins.in the ground, for

½ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.4 ft.dist.; and raise a mound of earth 3½ ft.

base,  $l_2^1$  ft.high over deposit.

SUBDIVISION OF T. 2 S., R. 19 W.				
Chains	In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12			
, ,	ins.in the ground, marked			
	1 S 9 on N. face, and 16 on S. facé.			
79.96	The cor. of secs. 8,9,16, and 17.			
	Land, level.al ali			
	Soil, alkali; 4th rate.			
	No timber.			
,				
• •				
	N.0° 03'W.bet.secs.8 and 9,			
	Over level alkali land.			
40.00	Deposit a quart of charcoal 12 ins.in the ground, for			
	$\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of			
	cor.4 ft.dist.; and raise a mound of earth 31 ft.base			
	l½ ft.high over deposit.			
	In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12			
	ins.in the ground, marked			
	1/2 S g on W. face, and 9 on E. face.			
80.00	Deposit a quart of glass 12 ins.in the ground for cor.			
	of secs.4,5,8, and 9; dig pits 18 x 18 x 12 ins.in			
	each sec.4 ft.dist.; and raise a mound of earth 4 ft.			
	base, 2 ft.high over deposit.			
•	In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12			
	ins.in the ground, marked			
	T2SS4 on NE.			
	R 19 W S 9 on SE.			
	S g on Sw., and			
	S 5 on NW.face., with 4 notches on E. and 5			
	notches on S.edge.			
	Land, level.			
•	Soil, alkali; 4th rate.			
•	No timber.			

The cor.of secs.3,4,9, and 10 being plainly visible, I

2372	<del> </del>	SUBDIVISION OF T. 2 S., R. 19 W.
	g: i	www. Saw gold compon
	Chains	
	1.0.00	N.89° 57'E.on a random line bet.secs.4 and 9,
	40.00	Set temp. 1 sec.cor.
	79•94	Intersect N. and S.line at the cor.of secs.3,4,9, and
		10. Thence I run S.89° 57'W.on a true line bet.secs.4 and 9,
		• • • • •
	70.07	Over level alkali land.
	39•97	Deposit a quart of charcoal 12 ins.in the ground, for
		$\frac{1}{2}$ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor
		4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.bæe, $1\frac{1}{2}$
		ft.high over deposit.
		In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
	, ,	ins.in the ground, marked
	,	$\frac{1}{4}$ S 4 on N.fæe, and 9 on S.face.
	79•94	The cor. of secs. 4,5,8, and 9.
	٠	Land, level.
		Soil, alkali; 4th rate.
		No timber.
		; · · · · · · · · · · · · · · · · · · ·
		The cor. of secs. 4,5,32 and 33 on N.bdy of Tp.being
		plainly visible, I run forsaid corner,
		N.0° 02'W.on a random line bet.secs.4 and 5,
	40.00	Set temp. 1/4 sec.cor.
	80.10	Intersect N.bdy.of Tp.at the cor.of secs.4,5,32, and 33
		set by myself and heretofore described. Thence I
		run,
1	in the second se	. S.0° 02'E.on a true line bet.secs.4 and 5,
		over level alkali land.
-		Deposit a quart of charcoal 12 ins.in the ground, for
		½ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of
1	•	cor.4 ft.dist.; and raise a mound of earth 32 ft.
		base, 12 ft.high over deposit.
	maker (desemble) in the latest	In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
HERMAN PERSON	a delica antermadica e	ins.in the ground, marked

Chains . 1/4 s 5 on W. face, and 4 on E. face.

The cor. of secs. 4,5,8, and 9.

Land, level.

80.10

Soil, alkali; 4th rate.

No timber.

Sept.12, 1908.

Sept.12, at the cor.of secs.5,6,31, and 32, on S.bdy. of Tp., which is a glass deposit, with pits and mound of earth; pine stake in SE pit, marked and witnessed as described by the surveyor general, lat. 40° 35' 38" N.; long.113° 02' W., at 8 h. 02 m. p.m. by my watch which is 3 m.slow of local mean time, I observe Polaris at eastern elongation in accordance with instructions in the Manual, and mark the point in the line thus determined by a tack driven in a wooden peg set in the ground 4 chs.N.of my station. Sept.12, 1908.

Sept.13: At 7 h. 55m.a.m.l.m.t.I lay off the azimuth of Polaris 1°34' to the west and mark the meridian thus determined by a cross on a stone firmly set in the ground west of the point established last night.

The magnetic bearing of the true meridian is N.18° 15'W. which gives the mag.declination 18°15'E.

From said corner I run

N.00 04 W.bet.secs.31 and 32,

Over level land.

, ...

40.00

Deposit a quart of charcoal 12 ins.in the ground for  $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft.high over deposit.

Chains. In S.pit drive a pine stake & t.long, 2 ins.sq., 12 ins.in the ground, marked 1 s 31 on W.face, and 32 on E.face. ... Deposit a quart of charcoal 12 ins.in the ground, for 80.00 cor.of secs.29,30,31, and 32; dig pits  $18 \times 18 \times 12$ ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit. In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked T 2.S S 29 on NE. R 19. W S 32 on SE. S 31 on SW., and S 30 on NW.face; with 1 notch on S. and 5 notches on E.edge. Land, level. Soil, alkali; 4th rate. No timber. The cor. of secs. 28,29,32, and 33 being plainly visible, I run for said corner, N.89° 55'E.on a random line bet.secs.29 and 32, 40.00 Set temp.  $\frac{1}{\lambda}$  sec. cor. Intersect N. and S.line at the cor.of secs.28,29,32, --80.00 and 33. Thence I run S.89° 55'W.on true line bet.secs.29 and 32, Over level alkali land. Deposit a quart of charcoal 12 ins.in the ground, for 40.00 ½ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.4 ft.dist.; and raise a mound of earth 32 ft. base, 12 ft.high over deposit. In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins in the ground, marked 1 S 29 on N. fage, 52 on S. face.

The cor.of secs.29,30,31, and 32.

80.00

Hilliam timber. His is two a series to be and the

Chains Land, level.

Soil, alkali; 4th rate.

porr, 'arvar'r, '+hu rano.

1 8 2 4 4 4 5 Si

West on true line bet.secs.30 and 31,

Over level alkali land.

32.05 Intersect Utah-Nevada bdwnl8r901che.s.oo 16 W.of 49th

mile corner, which is a glass deposit, with pits and mound of earth; stake in S.pit marked and witnessed

as described by the surveyor general.

Deposit a quart of charcoal 12 ins.in the ground for closing corner of fractional secs.30 and 31; dig pits 24 x 18 x 12 ins.crosswise on each line N.S.and

E.of cor.4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit.

In N.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

ins.in the ground, marked

C CT2 S R 19 W on E.

.,

S 30 on N., and

S 31 on S.face, with 5 grooves on N. and 1 groove on S.face: U on E. and N on W.face.

Land, level.

Soil, alkali; 4th rate.

No timber.

N.00 04 W.bet.secs.29 and 30,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins.in the ground, for  $\frac{1}{2}$  sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of

cor.4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft. bæe,  $1\frac{1}{2}$  ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

	1
Chains	ins.in the ground, marked
	1 s 30 on W.face; and 29 on E.face.
80.00	Deposit a quart of charcoal 12 ins.in the ground, for
	cor.of secs.19,20,29, and 30; dig pits 18 x 18 x 12
	ins.in each sec.4 ft.dist.; and raise a mound of
	earth 4 ft.base, 2 ft.high over deposit.
	In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12
	ins.in the ground, marked
	T 2 S S 20 on NE.
	R 19 W S 29 on SE.
	s 30 on Sw., and
	S 19 on NW.fæe; with 5 notches on E. and 2 notch-
	es on S.edge.
, , , , , , ,	Land, level.
	Soil, alkali; 4th rate.
	No timber.
,	
	The cor.of secs.20,21,28, and 29 being plainly visible
	I run for said corner,
	N.89° 55 F.on a random line bet.secs.20 and 29,
140.00	Set temp. 4 sec. cor.
80.02	Intersect N. and S.line at the cor.of secs.20,21,28, and
	29. Thence I run
	S.89° 55'W.on true line bet.secs.20 and 29,
	Over level land.
40.01	Deposit a quart of charcoal 12 ins.in the ground, for
	½ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of
	cor.4 ft.dist.; and raise a mound of earth 3½ ft.
,	base, la ft.high over deposit.
	In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
	ins.in the ground, marked
	$\frac{1}{4}$ S 20 on N. face, and 29 on S. face.
80.02	The cor.of secs.19,20,29, and 30.
	Land, level.

Chains . Soil, alkali; 4th rate. No timber. West on a true line bet.secs.19 and 30, Over level alkali land. 31.44 Intersect Utah-Nevada Boundary line S.0º 16'W. 12.80 chs.from the 48th mile corner on said boundary, which is a deposit of glass with pits and mound of earth, with stake in S.pit marked and witnessed as described by the surveyor general. Deposit a quart of glass 12 ins.in the ground for closing corner of fractional secs.19 and 30; dig pits 24 x 18 x 12 ins. crosswise on each line N., S., and E. of cor. 4 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high over deposit. In N.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked CCT2SR19WonE. S 19 on N., and S 30 on S. face, with 4 grooves on N. and 2 grooves on S.face, U on E. and N.on W.face. Land, level. Soil, alkali; 4th rate. No timber.

Over level alkali land.

Deposit a quart of charcoal 12 ins.in the ground for  $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft.high over deposit.

40.00

N.00 04 W.bet.secs. 19 and 20,

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

;
ound, for
x 18 x 12
und of
• ,
s.sq., 12
,
nd 5 notches
<u>.</u>
aly visible,
aly visible,
lly visible,
<i>i</i>
<i>i</i>
.7 and 20,
7 and 20,
7 and 20, 6,17,20,
7 and 20, .6,17,20,0,
7 and 20, .6,17,20,0,
7 and 20, .6,17,20,0,
7 and 20, .6,17,20,0,

Chains Land, level.

30.83

40.00

Soil, alkali; 4th rate.

No timber.

West on a true line bet.secs.18 and 19,

Over level alkali land.

Intersect Utah-Nevada Boundary line S.0° 16'W. 12.72 chs.from the 47th mile corner on said boundary.

Deposit a quart of charcoal 12 ins.in the ground for closing cor.of fractional secs.18 and 19; dig pits

24 x 18 x 12 ins.crosswise on each line N., S., and

E.of cor. 4 ft.dist.; and raise a mound of earth 4

ft.base, 2 ft.high over deposit.

In N.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

ins.in the ground, marked

CCT2SR 19 W on E.

S 18 on N., and

S 19 on S.face, with 3 grooves on N. and S.faces;

U on E. and N on W.face.

Land, level.

Soil, alkali; 4th rate.

No timber.

N.0° 04'W.bet.secs.17 and 18,

Over level alkali land.

Deposit a quart of charcoal 12 ins.in the ground for l sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of

cor.4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.

base,  $l_{\tilde{z}}^1$  ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

ins.in the ground, marked

1 S 18 on W.face, and 17 on E.face.

****		SUBDIVISION
	Chains	Deposit a quart of charcaol 12 ins.in the ground for
	50.00	cor.of secs. 7, 8, 17, and 18; dig pits 18 x 18 x 12
		ins.in each sec.4 ft.dist.; and raise a mound of
	to page year	earth 4 ft.base, 2 ft.high over deposit.
	de la constant de la	In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12
		ins.in the ground, marked
	The real section of the section of t	T 2 S S S on NE.
		R 19 W S 17 on SE.
		s 18 on SW., and
		s 7 on NW.face; with 4 notches on S. and 5 notch-
		es on E.edges.
		Land, level.
		Soil, alkali; 4th rate.
		No timber.
		A SECTION AND A
		The cor. of secs. 8,9,16, and 17 being plainly visible,
		I run for said corner,
	•	N.89° 54 E.on a random line bet.secs.8 and 17,
	40.00	Set t emp. 1/2 sec.cor.
	80.04	Intersect N. and S.line at the cor. of secs. 8,9,16, and
		17. Thence I run
		S.89° 54'W.on true line bet.secs.8 and 17,
		Over level alkali land.
	40.02	Deposit a quart of charcoal 12 ins.in the ground, for
		} sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of
		cor.4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.
	,	base, 12 ft.high over deposit.
		In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
		ins.in the ground, marked
	,	½ S S on N. face; and 17 on S.face.

The cor.of secs.7,8,17, and 18.

Soil, alkali; 4th rate.

Land, level.

80.04

Chains No timber.

West on a true line bet.secs.7 and 18,

Over level alkali land.

30.20 Intersect Utah-Nevada Boundary line S.0° 16'W. 12.61

chs.from the 46th mile corner on said boundary, which

is a deposit of glass with pits and mound of earth,

pine stake in S.pit marked and witnessed as described

by the surveyor general.

Deposit a quart of charcoal 12 ins.in the ground, for

closing cor.of fractional secs.7 and 18; dig pits 24

x 1g x 12 ins.crosswise on each line N., S., and E.

of cor.4 ft.dist.; and raise a mound of earth 4 ft.

base, 2 ft.high over deposit.

In N.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

CCT2SR 19 W on E.

S 7 on N., and

S 18 on S.face, with 2 grooves on N. and 4 grooves

on S.fæe; U on E. and N.on W.fæce.

Land, level.

Soil, alkali; 4th rate.

No timber.

N.00 04 W.bet.secs.7 and 8,

40.00

Over level alkali land.

Deposit a quart of charcoal 12 ins.in the round, for

 $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.

base, 12 ft.high over deposit.

In S.pit drive pine stake 2 ft.long, 2 ins.sq., 12

ins.in the ground, marked

Chains. 1 87 on W.face, and 8 on E.face.

peposit a quart of charcoal 12 ins.in the ground for car.of secs.5,6,7, and 8; dig pits 18 x 18 x 12 ins. in each sec.4 ft.dist.; and raise a mound of earth 4 rt.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 2 S S 5 on NE.

R 19 W S S on SE.

S 7 on SW., and

s 6 on Nw.fæe; with 5 notones on S. and E.edges.

Land, level. '

Soil, alkali; 4th rate.

No timber.

The cor. of secs. 4,5,8, and 9 being plainly visible, I run for said corner,

N.89° 52'E.on a random line bet.secs.5 and 8

40.00 Set temp. dec.cor.

80.06 Intersect N. and S.line at the cor.of secs.4,5,8, and 9. Thence I rum

\$.59° 52'W.on a true line betsees.5 and 8, Over level alkali land.

10.03 Deposit a quart of charcoal 12 ins.in the ground for \$\frac{1}{2}\$ section.; dig pits 18 x 18 x 12 ins.E. and W.of cor.4 ft.dist.; and raise a mound of earth 3\frac{1}{2}\$ ft. haso, 1\frac{1}{2}\$ ft.h.gh over deposit.

In S.pit drive a pine stake 2 ft.long, 2 inc.sq,12 inc.

in the ground, narrod

\$ 5 5 on M.free; and 8 on S.face.

80.04 The cor.of secs.5,6,7, and 8.

Lani, lovel.

Soil, alkali: 4th rate. No timber.

Chain. West on a true line bet.secs.6 and.7,

Over level alkali land

29.61 Intersect the Utah-Nevada Boundary line S:00 16 W.

12.56 chs.from the 45th, mile corner on said boundary, which is a glass deposit, with pits and md.of earth, pine stake in S.pit marked and witnessed as described by the surveyor general.

Deposit a quart of charcoal 12 ins.in the ground for closing cor.of fractional secs.6 and 7; dig pits 24 x 18 x 12 ins.crosswise on each line N., S., and E.of cor.4 ft.dist.; and raise a mound of earth 4 ft.base 2 ft.high over deposit.

In N.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

CCT2SR19WonE.

S 6 on N., and

S 7 on S.face, with 1 groove on N. and 5 grooves on S.face, U. on E., and N on W.face.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor.of secs.5,6,31, and 32 on N.bdy.of Tp.being plainly visible, I run for said corner,

N.00 02 E.on a random line bet.secs.5 and 6,

Set temp. 1 sec.cor.

Intersect N.bdy.of Tp.at the cor.ofsecs.5,6,31, and 32

Thestablished by myself and heretofore described.

Thence I run

40.00

80<del>,</del>218

S.0° 02'W.on true line bet.secs.5 and 6,
Over level alkali land.

Deposit a quart of charcoal 12 ins.in the ground, for \$\frac{1}{4}\$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.

### SUBDIVISION OF T. 2 S., R. 19 W.

Chains. 4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base  $1\frac{1}{2}$  ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12.

14 S 6 on W.face, and 5 on E.face. The cor.of secs.5,6,7, and 8. Land, level.

Soil, alkali; 4th rate.

No timber.

Sept.13, 1908.

#### BOUNDARIES OF T. 2 S., R. 19 W.

LATITUDES, DEPARTURES AND CLOSING ERRORS.'

Line Designated True Dist. Latitudes Departures.

East Boundary South 480.00 .... 480.00 .... 480.00 .... 432.65 .... 432.65 .... 432.65 .... 432.65 .... 432.65

Convergency 10 E. 480.56 400.66 .... 2.24 ....

Totals 480.66 480.00 431.99 432.65

Error in lat. and dep. 0.66 0.66

### GENERAL DESCRIPTION.

This township contains only salt and alkali lands. All of sections 1,2,11, 12 and 13, and the  $E \cdot \frac{1}{2}$  of secs. 3 and 10,  $N \cdot \frac{1}{2}$  sec.24, and a small portion in the  $NE \cdot \frac{1}{2}$  of secs.15 and 23 contain a deposit of salt varying in thickness from 1 inch to many feet in depth; and from surface indications is of great value, as it seems to be almost pure.

#### SUBDIVISION OF T. 2 S. R. 19 W.

The remainder of the township is a barren alkali flat, unfit for any kind of agricultural crops.

I found no indications of mineral, other than the salt. There is no water in the township and no timber.

There are no settlers in the township.

andrit E. R. Colling U.S. Deputy Surveyor.

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## **PAGE**

### FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

## LIST OF NAMES.

A list of the names of the individuals employed by	
, United States Deputy Surveyor, to assist in running,	measuring, and
king the lines and corners described in the foregoing field notes of the survey of	
ving the respective capacities in which they acted:	
r list of names and final affidavits of assistants see bo	Charnman.
"L" Tp.2 S., R. 17 W.	, Chainman.
	•
	$\dots$ , Flagman.
FINAL OATH OF ASSISTANTS.	
We hereby certify that we assisted	
, United States Deputy Surveyor, i	
e parts or portions of the	***************************************
of the	***************************************
, which	are represented
e foregoing field notes as having been surveyed by him and under his direction; and the been in all respects, to the best of our knowledge and belief, well and faithfully surfer monuments established, according to the instructions furnished by the United Starl for	hat said survey veyed, and the
	, Chainman.
	Chainman.
	•
	,
	, Axman.
4	, Axman.
<del></del>	, Flagman.
cribed and sworn to before me this	
day of, 190 }	,

## FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

	United States Deputy Survey
solemnly swear that, in pursuance of a contract rec	eivel from
United States Surveyor General for	Dearing used
day of	net ractions furnished by the United States Sur
proper person, and in strict conformity with the i	Manual of Surveying Instructions, and the laws
United States, surveyed all those parts or portions	of
For the ordinavit see book "L" T	p. 2 S., R. 17 V.
	of the
meridian, in the	of, which are represented
foregoing field notes as having been surveyed by a swear that all the corners of said survey have been the Manual of Surveying Instructions, and the spec General forand in the the foregoing are the original field notes of such sa	ne, and under my direction; and I do further solvestablished and perpetuated in strict accordance ial written instructions of the United States Suns specific manner described in the field notes, are urvey.
	Robert & R. Collie
	United States Deputy Su
Subscribed by said	and sworn to before me)
this day of	- 100
this day of	
COCCOC COCCOC COCCOCC	
APPI	ROVAL.
OFFICE OF THE UNITED S	STATES SURVEYOR GENERAL,
Salt	Lako City, Utah, January 21,
The foregoing field notes of the survey of 10. 2 South. Renge No. 19 West of	he subdivisional lines of Townsh the Salt Lake Base and Meridian
한 회사 가입니다 그는 그는 이번 전 가입니다. 그 경험 전기에 다른 이 사람들은 모양한 경험을 받는 것이다.	
under his contract No. 301 , dated	Herch 5. 190 8, liavi
critically examined, and the necessary correction	s and explanation made the said field notes,
surveys they describe, are hereby approved.	
	United States Surveyor
I certify that the foregoing transcript of th	o field notes of the above-described surveys in
and the last of th	tly copied from the original notes on file in this

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# **PAGE**

BOOK A-346

FIELD NOTES  OF THE SURVEY OF THE	Myh
EAST AND SOUTH BOUNDARIES	`
) F	:1
TOWNSHIP NO. 2 SOUTH	

RANGENO. 18 WEST

.....

Of the ...... SALT-LAKE-BASE-AND ...... Meridian,

AS SURVEYED BY

\_\_\_\_\_U\_\_T\_-A\_-H\_,

Robert E.L. Collier , United States Deputy Surveyor,

irvey completed....., 190 %. E. 18 dy 6-00-00 d. " 5-77-80

der his Contract No. 301 , dated March 5, 1905 , 1908. rvey commenced \_\_\_\_\_\_, 190 8.

5—151

### NAMES AND DUTIES OF ASSISTANTS.

	Rolah Gentrv	Chainman.	•		-
	David Sharp Jr.	Chainman.		٠	
	R.Harold Browne	Moundman.			
	Ralph M.Wind	Flagman.			
For prelimina	ery affidevita see bo	ook "C" Tp.	זיו ד	ן א	19 W
··································					
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800K A-346

### INDEX DIAGRAM.

Town	nship2_	South	, Range	18 West		ti.
G	5	4	3	2	1	1
7	8	9	10	11	12	2
18	17	16	15	14	13	2
19	20	21	22	28	24	3
30	. 20	28	27	26	25	3
81 · 5	82 6	88 6	84 " 7	85 <b>S</b>	80 8'	+

Meanders Page.....

## PRELIMINARY OATHS OF ASSISTANTS.

measuring, to one best of our skin and astroy, t	and in accordance with instructions given us, in the surve
	, Chain
	, Chain
Subscribed and sworn to before me this, 190	······································
Tr. Cortina	
SEAL	
We,	and .
	uly perform the duties of moundmen in the establish
of corners, according to the instructions give	en us, to the best of our skill and ability, in the sur
	, Mound
	, Mound
Subscribed and sworn to before me this	)
day of, 190	}
Section and the section and th	
WELLER WILLIAM	
WE,	and
·	perform the duties of axmen in the establishment of co
	ven us, to the best of our skill and ability, in the sur
	<u></u>
	, Aa
	, Ao
Subscribed and sworn to before me this	)
Subscribed and sworn to before me this, 190	}
	···········}
day of, 190	} 
day of, 190	do solemnly swear that I will well and
I,perform the duties of flagman according to ins	}
I,perform the duties of flagman according to ins	do solemnly swear that I will well and structions given me, to the best of my skill and ability,
I,perform the duties of flagman according to ins	do solemnly swear that I will well and structions given me, to the best of my skill and ability,
I,perform the duties of flagman according to ins	do solemnly swear that I will well and structions given me, to the best of my skill and ability,
I,	do solemnly swear that I will well and structions given me, to the best of my skill and ability,

#### EAST BOUNDARY T. 2.S., R. 18 W.

Chains! Survey commenced Sept.14, 1908, and executed with a C:L.Berger & Sons light mountain transit No.5778, for further description of which see book "A" of this survey.

> At the cor.of Tps.1 and 2 S., Rgs.17 and 18 W. which is a glass deposit with pine stake 2 ins.sq., marked and witnessed as described by the surveyor general, lat. 40°40' 51" N.; long.113° 49' 42" W., at7 h. 54 m. p.m. by my watch, which is 3 m.slow of l.m.t., I observe Polaris at eastern elongation in accordance with instructions in the Manual, and mark a point in the line th us determined on a stake driven in the ground 4 chs.N.of my station.

Sept.15: At 8 h.a.m.I lay off the azimuth of Polaris 1°34 ' to the west and mark the meridian thus determined by cutting a mark on a stone firmly set in the ground west of the mark established last night; the magnetic bearing of the true meridian is N.18° 10'W. which gives the magnetic decl.18° 10' E.

Thonce I run

South bet.secs.1 and 6

Over level salt bed.

40.00

Set a pine post 3 ft.long, 4 ins.sq. with quart of charcoal, 24 ins.in the salt, for  $\frac{1}{4}$  sec.cor., marked 1 S 1 on W.face, 6 on E.face; Pits and mound impracticable.nd c.of .c: 1 3 -1. det.

80.00

Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the salt for cor.of secs.1,6,7, and 12, marked

T2SS6 on NE.

R 17 W. S 7 on SE.

S 12 on SW., and

#### EAST BOUNDARY T. 2 S., R. 18 W.

Chains R 18W & 1 on NW.face; with 1 notch on N. and 5 notches

on S.edge. Pits and mound impracticable.

Land, level salt bed.

No timber.

South bet.secs.7 and 12,

Over level salt bed.

40.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of charceal, 24 ins.in the ground, for \(\frac{1}{4}\) sec.cor.

marked  $\frac{1}{4}$  S 12 on W.face, 7 on E.face. Pits and mound

impracticable.

80.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of

charcoal, 24 ins.in the ground for cor.of secs.7,12,

13, and 18, marked  $T 2 S S^{\prime} 7$  on NE.

R 17 W S 18 on SE.

S 13 on SW., and

R18W S.12 on NW.face;, with 2 notches on N. and 4 notches on S.edge. Pits and mound impracticable.

Land, level salt bed.

No timber.

South bet.secs.13 and 18,

Over level salt bed.
Set a pine post 3 ft.long, 4 ins.sq., with quart of

40.00

80.00

charcoal, 24 ins.in the ground for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  S 13 on W.face, 18 on E.face. Pits and

mound impracticable.

Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for cor.of secs.13,

18, 19, and 24, marked

T 2 S S 18 on NE.

R 17 W S 19 on SE.

South bet.secs.19 and 24,

.19" to " ......

Set a pine post 3 ft.long, 4 ins.sq., with quart of

2 notches on S.edge. Pits and mound impracticable.

EAST BOUNDARY T. 2 S., R. 18 W.

S 24 on SW., and Chains!

R. 18 W S 13 on NW. face, with 3 notches on N. and S.

edges. Pits and mound impracticable.

Land, level salt bed.

No timber.

Over level salt bed.

Set a pine post 3 ft.long, 4 ins.sq., with quart of

40.00

80.00

12

charcoal, 24 ins. in the ground, for  $\frac{1}{4}$  sec. cor., mkd.

1 S 24 on W. face, and 19 on E. face. Pits and mound

impracticable.

charcoal, 24 ins. in the ground, for cor. of secs. 19,

24,25, and 30, marked T 2 S S 19 on NE.

R 17 W S 30 on SE.

s. 25 on sw., and

R 17 W S 24 on NW. face; with 4 notches on N. and

Land, level salt bed.

No timber.

South bet.secs.25 and 30,

Over level alkali land.

40.00 | Set a pine post 3 ft.long, 4 ins.sq., with quart of

- charcoal, 24 ins.in the ground, for  $\frac{1}{4}$  sec.cor., marked

\$ S 25 on W.face, and 30 on E.face; dig pits 18 x 18 x 12 ins.N. and S.of post 3 ft.dist.; and raise a

mound of earth 31 ft.base, 11 ft.high W.of cor.

80.00 | Set a pine post 3 ft.long, 4-ins.sq., with quart of

charcoal, 24 ins.in the ground for cor.of secs.25,30, . 31 and 36, marked

T2SS30 on NE.

EAST BOUNDARY T. 2 S., R. 18 W. R 17 W'S 31 on SE. Chains 's 36 on SW., and R 18 W S 25 on NW. face, with 5 notches on N. and I notch on S.edge; dig pits 18 x 18 x 12 ins.in each sec.5 ft.dist.; and raise a mound of earth 3 ft. base, 12 ft.high W.of cor. Land, level. Soil, alkali; 4th rate. No timber. South bet secs.31 and 36, Over level alkali land. Set a pine post 3 ft.long; 4 ins.sq., with quart of 40.00 charcoal, 24 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  S 36 on W.face, 31 on E.face; dig pits 18 x 18 x 12 ins.N. and S.of post 3 ft.dist.; and raise a mound of earth 31 ft.base, 11 ft.high W.of cor. 80.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for cor.of Tps.2 and 3 S., Rs.17 and 18 W., marked T 2 S S 31 on NE. R 17 W S 6 on SE. -T-3-S S.1 on-SW., and-R 18 W S 36 on NW. face, with 6 notches on each edge; dig pits 24 x 24 x 12 ins.on each line N., E. and W. 4 ft., and S. of post 8 ft. dist.; and raise a. mound of earth 5 ft.base, 21 ft.high S.of cor. Land, level. Soil, alkali; 4th rate. .... No timber.

For general description see notes of subdivision this townshop.

#### SOUTH BOUNDARY T. 2 S., R. 18 W.

Sept.15: Chains. From the cor. of Tps. 2 and 3 S., Rs. 17 and 18 W., established by myself and heretofore desscribed, I run West on a random line along S.bdy.of Tp., setting tem

porary sec. and  $\frac{1}{4}$  sec. cors. at intervals of 40.00 chs. and at 477.80 chs.fall 58 lks.north of the cor.of Tps.

2 and 3 S., Rs.18 and 19 W. heretofore descaribed,

The falling answers to a correction of 0004 or 9 list

1ks.S.per mile counting from the SE.cor.of the town-

ship; therefore I run

N.890.56 E.on a true line bet.secs.6 and 31,

Deposit a quart of charcoal 12 ins.in the ground, for

½ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.4 ft.dist.; and raise a mound of earth 32 ft.base

15 ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

ins.in the ground, marked

1 S 31 on N. face, 6 on S. face.

Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for cor.of secs.15,16,

31, and 32, marked

T 2.S S 32 on NE.

Over level alkali land.

37.80

77.80

R 18 W S 5 on SE.

Land, level.

T 3 S S 6 on SW., and

s 31 on NW. face, with 1 notch on W. and 5 notches on E.edge; dig pits 18 x 18 x 12 ins.in each sec. 51

ft.dist.; and raise a mound of earth 4 ft.base, 2 ft

high W.of cor.

Soil, alkali; 4th rate.

No timber.

SOUTH BOUNDARY T. 2 S., R. 18 W. N.89° 56'E. bet.secs.5 and 32, Chains . Over level alkali land. 40.00 Deposit a quart of charcoal 12 ins.in the ground, for k sec.cor.; dig.pits 18 x 18 x 12 ins.E. and W.of cor. 4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$ ft.high over deposit. In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked  $\frac{1}{4}$  S 32 on N.face, and 5 on S.face. 80.00 mSet a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for cor.of secs. 4,5, 32, and 33, marked T 2 S S 33 on NE. R 18 W S 4 on SE. T 3 S S 5 on SW. and S 32 on NW. face, with 2 notches on W, and 4 notches on E.edge; dig pits 18 x 18 x 12 ins.in each sec. 51 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft. high W.of cor. Land, level. Soil, alkali; 4th rate. No timber. N.89° 56 E.bat.secs.4 and 53. Over level alkali land. 40.00 Deposit a quart of charcoal 12 ins.in the ground, for # sec.cor.; dig pits 18 x 18 x 12 ins.E.and W.of cor. 4 ft.dist.; and raise a mound of earth 31 ft.base, 13 ft.high over deposit. In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground,, marked

80.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of

½ S 33 on N. face, and 4 on S. face.

### SOUTH BOUNDARY T. 2 S., R. 18 W.

Chains. charcoal, 24 ins.in the ground, for cor.of secs.3,4, 33, and 34, marked

T 2 S S 34 on NE.

R 16 W S 3 on SE.

T 3 S S  $^{\text{V}}$ 4 on SW., and

S 33 on NW.face, with 3 notches on E. and W.edges.

a nita la v la v la da an book and al at at a

and dig pits 18 x 18 x 12 ins.in each sec.  $5\frac{1}{2}$  ft.dist.;

and raise a mound of earth 4 ft.base, 2 ft.high W.of

corner.

·

Soil, alkali; 4th rate.

No timber.

Land, level.

40.00

80.00

Over level alkali land.

Deposit a quart of charcoal 12 ins.in the ground, for  $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of

cor. 4 ft.dist.; and raise a mound of earth 31 ft.

base, 1½ ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

ins in the ground, marked

 $\frac{1}{4}$  S 34 on N. face, and 3 on S. face.

N.89° 56'E.bet.secs.3 and 34

Set a pine post 3 ft.long, 4 ins.sq., with quart of

34, and 35, marked

charcoal, 24 ins.in the ground for cor.of secs.2,3,

T 2 S S 35 on NE.

R 18 W S 2 on SE.

T 3 S S 3 on SW., and

S 34 on NW.face; with 2 notches on E. and 4 notches

on W.edge; dig pits 18 x 18 x 12 ins.in each sec.  $5\frac{1}{2}$ 

ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.

high W.of cor.

Land, level.

Soil

#### SOUTH BOUNDARY T. 2 S., R. 18 W.

Chains. Soil, alkali; 4th rate.

N.89° 56'E.bet.secs.2 and 35,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins.in the ground, for

 $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base

1 ft. high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

ins.in the ground, marked

 $\frac{1}{4}$  S 35 on N.face, and 2 on S.face.

80.00 Set a pine post 3 ft.long, 4 ins.sq., w

Set a pine post 3 ft.long, 4 ins.sq., with quart of

charcoal, 24 ins.in the ground, for cor.of secs. 1,2,

35, and 36; marked

T 2 S S 36 on NE.

.R 18 W S 1 on SE.

T 3 S S 2 on SW., and

S 35 on NW.face, with I notch on E. and 5 notches

on W.edge; dig pits 18 x 18 x 12 ins.in each sec.  $5\frac{1}{2}$ 

ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.

high Wvof corner..

Land, level.

Soil, alkali; 4th rate.

No timber.

N.89° 56'E.8et.secs.1 and 36,

Over level alkali land.

00 Deposit a quart of charcoal 12 ins.in the ground, for

1 sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.

4 ft.dist.; and raise a mound of earth 31 ft.base, 11

ft.high over deposit.

#### SOUTH BOUNDARY T. 2 S., R. 10 W.

Chains In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

 $\frac{1}{4}$  S 36 on N.face, and i on S.face.

The cor. of Tps.2 and 3 S., Rs.17 and 18 W.

Land, level.

Soil, alkali; 4th rate.

No timber.

80.00

Convergency

Sept.15, 1908.

For general description see notes of the subdivision of this township. aubert E. L. Collins

BOUNDARIES T. 2 S., R. 18 W.

U.S.Deputy Surveyor.

LATITUDES, DEPARTURES, AND CLOSING ERRORS.

Departures. Dist Latitudes Line Designated True

Bearing chs./ chs.

chs./ chs. chs. chs./ chs. 477.52 ..... 477.52 ..... North Boundary East

East Boundary South 480100 .... 480.00 ....

South Houndary \$.89.56 W. 477.80 ..... .58 ..... 477.80

480.00 480.00 ..... West Boundary North

Totals

480.00 480.58 478.15 477.80 1000.00 480.00 477.80 •58 Error in lat.and.dep

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## **PAGE**

#### FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.	
A list of the names of the individuals employed by	
, United States Deputy Surveyor, to assist in running, me	easuring, and
cing the lines and corners described in the foregoing field notes of the survey of	
ing the respective capacities in which they acted:	
list of mames and final oaths of assistants see book "K"	Chainman.
TP.2 S., R. 17 W.	Chainman.
·,	Moundman.
· ,	Moundman.
·	
·	Axman.
	Flagman.
FINAL OATH OF ASSISTANTS.	
We hereby certify that we assisted	
, United States Deputy Surveyor, in	surveying all
parts or portions of the	manna
of the	*****
meridian, of, which as	re represented
e foregoing field notes as having been surveyed by him and under his direction; and the been in all respects, to the best of our knowledge and belief, well and faithfully surver monuments established, according to the instructions furnished by the United Starral for	eyed, and the
	Chainman.
	Chainman.
	Moundman.
	Moundman.
	Axman.
·	Axman.
	Flagman.
cribed and sworn to before me this)	
day of, 190	•
popopop O STATE	

### FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I,	United States Deputy Surveyor,
solemnly swear that, in pursuance of a con	ntract received from
Trited States Surveyor General for	bearing date of
day of	, 190 , I have well, faithfully, and truly, in my
proper person, and in strict conformity w	rith the instructions furnished by the United States Control
General for	, the Manual of Surveying Instructions, and the laws of t
United States, surveyed all those parts or	portions of
For final affidavit see boo	ok "K" T. 2 S., R. 17 W.
•	of the
	of, which are represented in
	eyed by me, and under my direction; and I do further solemn have been established and perpetuated in strict accordance w
	the special written instructions of the United States Survey
General for	and in the specific manner described in the field notes, and
the foregoing are the original field notes of	
	_
,	Robert E. L. Collied
	United States Deputy Survey
	1
Subscribed by said	and sworn to before the
this day of	, 190
	·
000000	
<u> సౌదర్యే</u>	
	APPROVAL.
OFFICE OF THE U	UNITED STATES SURVEYOR GENERAL,
	Salt Lake City, Utah, January 21, 190
•	,
The foregoing field notes of the surv	
Township No. 2 South. Range	e No.18 West of the Salt Lake Base and
Meridian, Utah,	**************************************
***************************************	
	· ·
Robert	
executed by Robert	Women 5
	Merch 5, 190 8, having b
	orrections and explanations made, the said field notes, and
surveys they describe, are hereby approve	ed.
•	United States Surve:
	C TOTAL DIGITOR DIGITOR
I certify that the foregoing transcr	ipt of the field notes of the above-described surveys in
, has bee	on correctly copied from the original notes on file in this office
	•
	United States Surveyor $\gamma_{\sim}$ .

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## **PAGE**

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## **PAGE**

BOOK A-346

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4-679.

FIELD NOTES

OF THE SURVEY OF THE

FILED OCT/1005

s.v.B.D.I V.I.S.IO.N	
RAHBENO.18.WEST	
Of the SALT LAKE PASE AND Meridian,	
,	
AS SURVEYED BY	
Robert E.L. collier,	
der his Contract No. 301, dated March 5,	•
vey commenced	•
rvcy completed	΄.

59-68-62

### NAMES AND DUTIES OF ASSISTANTS.

Ralph Gontry,	Chainman
David Sharp Jr.	Chainman.
R.Harold Browne,	Moundman.
Ralph M.Wind,	Flagman.
For preliminary stridevits see	book "D" Tp.1 N., R. 19 W .
	·
	·

### B00K A-346

### INDEX DIAGRAM.

I	own	iship	2 S	outh		,	Rang	e?	.8	West				
G	3	5 6	2	<b>5</b> 4	1	9	3	1	3	2		7	1	
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33		32		<u> </u>			70			<u> </u>				
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31			<u> </u>	23			17 .			10	,		4	
19 30	3			2 21	ַ	6	. <sup>22</sup> 16	1		28	1	<b>}</b>	94 3	
		29	<del>)</del>				<u> </u>							
80	2	<b>3</b> 20	2:	28	. 1	5	27	, 9	)	26	•	2	25	
28		2.	7	21			15			8			2	
81	20			20 <sub>83</sub>	1	4	34		7	85		1	86	

Meanders Page.....

### PRELIMINARY OATHS OF ASSISTANTS.

WE,	and
do solemnly swear that we will well and faithf	ully execute the duties of chainmen; that we will level
chain upon even and uneven ground, and plumb	the tally pins, either by sticking or dropping the same; t
-	objects, and the true lengths of all lines that we assist
	nd in accordance with instructions given us, in the survey
	·
	· · · · · · · · · · · · · · · · · · ·
	, Chainm
	, 0,
	, Chainm
Colorada and amount to before me this	1
Subscribed and sworn to before me this	(
day of, 190	•)
greenstation.	***************************************
SEAL (M	·
We,	and
	ly perform the duties of moundmen in the estable.
	n us, to the best of our skill and ability, in the survey
or corners, according to the institutions given	i ds, to the best of our skin and ability, in the survey
	,
,	
	, Mound <sub>in</sub>
	, Mound:
1	
Subscribed and sworn to before me this	)
day of, 190	<b>\</b>
,	,
SEAL (	
WALKERS .	
777	,
WE,	
	perform the duties of axmen in the establishment of
and other duties, according to instructions give	en us, to the best of our skill and ability, in the surve,
	, Axm
	, Axm
Subscribed and sworn to before me this	) : may 1-44
day of, 190	<b>.</b>
uay 01, 190	,
THE STATE OF THE S	•
SEAL E	
I,	, do solemnly swear that I will well and i.
perform the duties of flagman according to instr	ructions given me, to the best of my skill and ability, in
	•
survey of	
	, Flay
Subscribed and sworn to before me this	·)
day of, 190	
, 190	,
	·
0 151	

#### SUBDIVISION OF T. 2 S., R. 18 W.

Chains. Survey commenced Sept.15, 1908, and executed with the instrument described in book "A" of this survey.

At the cor.of secs.35 and 36 on S.bdy.of Tp., established by myself and heretofore described; lat.40° 35' 38" N.; long.113° 50' 50" W., at 7 h. 50 m.p.m. by my watch which is 3m.slow of local mean time, I observe Polaris at eastern elongation, in accordance with instructions in the Manual, and mark a point in the line thus determined on a stake driven in the ground 4 chs.N.of my station.

Sept.16: At 7 h. 30 m.a.m.I lay off the azimuth of Polaris 1° 34' to the west and mark the meridian thus determined by cutting a mark on a stone firmly set in the ground west of the point established last night; the magnetic bearing of the true meridian is N.18° 10'W., which gives the mag.decl. 18° 10'E.

Thence I run

N.0° 01'W.bet.secs.35 and 36,

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins.in the ground for  $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

\$\frac{1}{4}\$ S 35 on W.face, 36 on E.face.

80.00 Deposit a quart of charcoal 12 ins.in the ground for cor.of secs.25,26,35, and 36; dig pits 18 x 18 x 12 ins.in each sec.4 ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12

	SUBDIVISION OF T. 2 S., R. 18 W. Toro
Chains	ins.in the ground, marked
	T 2 S S 25 on NE.
•	R 18 W S 36 on SE.
	s 35 on SW., and
	S 26 on NW.face, with 1 notch on S. and E.edges.
	Land, level.
	Soil, alkali;4th rate.
	No timber.
	1,
	The cor.of secs.25,30,31, and 36 on E.bdy.of Tp.being
	plainly visible I run for said corner,
	N.89° 56'E.on a random line bet.secs.25 and 36
-40.00	Set temp. t sec.cor
80.00	Intersect E.bdy.of Tp.at the cor.of secs.25,30,31, and
	36, established by myself and heretofore described.
	Thence I run
	S.89° 56'W.on a true line bet.secs.25 and 36
	Over level alkali land.
40.00	Deposit a quart of charcoal 12 ins.in the ground, for
	$\frac{1}{2}$ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of
	cor.4 ft.dist.; and raise a mound of earth 3 ft.
-	base, la ft.high over deposit.
	In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
	ins.in the ground, marked
	½ S 25 on N. face, and 36 on S. face.
go.00	The cor. of secs. 25, 26, 35; and 136.s. in the logina for
	Land, .level.
	Soil, alkali;4th rate.
	No timber.
1 .	•

N.0° 01'W.bet.secs.25 and 26, ...

Over level alkali land.

Leave alkali; enter salt land. 35.00

#### SUBDIVISION OF T. 2 S., R. 18 W.

Chains 40.00 Deposit a quart of charcoal 12 ins.in the ground, for  $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{8}$  ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

1 S 26 on W.face, and 25 on E.face.

80.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for cor.ofsecs.23,24

T 2 S S 24 on NE.

25, and 26; marked+c

R 18 W S 25 on SE.

s 26 on sw., and

S 23 on NW.face, with 1 notch on E. and 2 notches on S.edge. Pits and mound impracticable.

Land, lèvel.

Soil, alkali; 4th rate, and salt.
No timber.

The cor.of secs.19,24,25, and 30 on E.bdy.of Tp.being plainly visible, I run for said corner,

Set temp. ½ sec.cor.

Intersect E.bdy.of Tp. at the cor.of secs.19,24,25, and

N.89° 55'E.on a random line bet.secs.24 and 25

30, established by myself and here to fore described.

Thence I run

S.89° 55'W.on true line bet.secs.24 and 25,

Over level salt bed.

40.00

80.00

40.00

80.00

Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for \( \frac{1}{2} \) sec.cor., marke

1 S 24 on N.face, and 25 on S.face.Pits & mound impracticable.
The cor.of secs.23,24,25, and 26.

SUBDIVISION OF T. 2. S.; R. 18 W. Arrights

Chains Land, level salt bed.

No timber.

N.0° 01 W.bet.secs.23 and 24,

Over level salt bed.

40.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for \(\frac{1}{4}\) sec.cor.marked

1 S 23 on W.face, 24 on E.face. Pits and mound im-

practicable.

80.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of

charcoal, 24 ins.in the ground, for cor.of secs.13, 14,23, and 24, marked

E4 58 7

T 2 S S 13 on NE.

R 18 W S 24 on SE.

S 23 on SW., and

S 14 on NW.face, with 1 notch on E. and 3 notches

on S.edge.Pits and mound impracticable.

Land, level salt bed.

No timber.

The cor. of secs. 13,18,19, and 24 on E.bdy. of Tp. being plainly visible, I run for said corner,

N.89° 54'E.on a random line bet.secs.13 and 24,

Intersect E.bdy.of Tp.at the cor.of secs.13,18,19, and

24, established by myself and heretofore described.

Thence I run

40.00

80.00

S.89° 54'W.on true line bet.secs.13 and 24,

Over level salt bed.

impracticable, 🥕 🕟

40.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground for 1 sec.cor. marked

1 S 13 on N. face, and 24 on S. face. Pits and mound

SUBDIVISION OF T. 2 S. R. 18 W.

Chains : 80.00

80.00

40.00

80.00

The cor. of secs. 13, 14, 23, and 24.

Land, level salt bed.

No timber.

N.0° 01'W.bet.secs.13 and 14,

Over level salt bed.

40.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of

charcoal, 24 ins.in the ground, for \frac{1}{2} sec.cor., marked

1 S 14 on W. face, and 13 on E. face. Pits and mound

impracticable. Set a pine post 3 ft.long, 4 ins.sq., with quart of

charcoal, 24 ins.in the ground, for cor.of secs.11,

T 2 S S 12 on NE.

R 18 W S 13 on SE.

12,13, and 14, marked

S 14 on SW., and

on S.edge. Pits and mound impracticable.

S 11 on NW.fæ e, with 1 notch on E. and 4 notches

Land, level salt bed.

No timber.

Set temp. dec.cor.

The cor. of secs. 7,12,13, and 18 being plainly visible

I run for said corner.

N.89° 54'E.on a random line bet.secs.12 and 13,

Intersect E.bdy. of Tp. at the cor. of secs. 7,12,13, and

18, established by myself and heretofore described.

Thence I run

S.89° 54 W.on true line bet.secs.12 and 13,

Over level salt bed.

Set a pine post 3 ft.long, 4 ins.sq., with quart of 40.00

charcoal, 24 ins. in the ground, for tosector.,

<u></u>	SUBDIVISION OF T. 2.S., R. 18 W.
Chains.	marked $\frac{1}{4}$ S 12 on N.face, and 13 on S.face. Pits and mound impracticable.  The cor.of secs.11,12,13, and 14.
80.00	Land, level salt bed.
	No timber.
	N.0° 01'W.bet.secs.11 and 12,
	Over level salt bed.
40.00	Set a pine post 3 ft.long, 4 ins.sq., with quart of
	charcoal, 24 ins.in the ground, for $\frac{1}{2}$ sec.cor.marked
	$\frac{1}{4}$ S 11 on W.face, and 12 on E.face. Pits and mound
	impracticable.
80.00	Set a pine post 3 ft.long, 4 ins.sq., with quart of
	charcoal, 24 ins.in the ground, for cor.ofsecs.1,2,
	11, and 12, marked
	T 2 S S 1 on NE.
	R 18 W S 12 on SE.
	S 11 on SW., and
	S 2 on NW. fæ e, with 1 notch on E. and 5 notches
	on S.edge. Pits and mound impracticable.
	Land, level salt bed.
	No timber.
	The second second second second second second second second second second second second second second second s
,	The cor. of secs. 1,6,7, and 12 on E.bdy. of Tp.being
	plainly visible, I run for said corner,
	N.89° 55 E.on a random line bet.secs.l and 12,
10.00	Set temp. 1/4 sec.cor.
80.00	Intersect E.bdy.of Tp.at the cor.of secs.1,6,7, and 12
	established by myself and heretofore described.
	Thence I run
	S.89° 55 W.on true line bet.secs.1 and 12,
	Over level salt bed.

Set a pine post 3 ft.long, 4 ins

SUBDIVISION OF T. 2 S., R. 18 W.

Chains charcoal 24rins in the ground, for 1 sec.cor, marked 1 S 1 on N. face, and 12 on S. face.

80,00 The cor.of secs.1,2,11, and 12. ... Land, level salt bed.

No timber.

The cor.of secs.1,2,35, and 36 on N.bdy.of Tp.being

plainly visible, I run for said corner, ... N.00 01 W.on a random line bet.secs.1 and 2,

marked and witnessed as described by the surveyor

40.00 Set temp.  $\frac{1}{4}$  sec.cor.

80.04 Intersect N.bdy.of Tp.at the cor.of secs.1,2,35, and 36 which is a pine stake 2 ins.sq., 1 ft.above ground,

general. Thence I run S.0° Ol'E.bet.secs.1 and 2.

practicable.

40.04

80.04

40.00

Over level salt bed.

Set a pine post 3 it.long, 4 ins.sq., with quart of

charcoal, 24 ins.in the ground for  $\frac{1}{4}$  sec.cor. marked 1 S 2 on W.face, and 1 on E.face. Pits and mound im-

Land, level salt bed.

No timber.

Over level alkali land.

The cor. of secs. 1, 2, 11, and 12.

N.0° 02'W.bet.secs.34 and 35,

From the cor. of secs. 2, 3, 34, and 35 on S.bdy. of Tp.

established bymyself and heretofore described, I

Deposit a quart of charcoal 12 ins.in the ground, for

Carlo Committee Con the Party of the

 $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of

		SUBDIVISION OF T. 2 S., R. 18 W.
i to i processi		
	Chains	cor.4 ft.dist: and raise a mound of earth 3/2 ft.base
		12 ft.high over deposit.
		In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
		ins.in the ground, marked
		$\frac{1}{4}$ S $3^{'}$ 4 on W.face, and $3^{'}$ 5 on E.face.
	76.00	Leave alkali land; enter salt lands.
	80.00	mDeposit a quart of charcoal 12 ins.in the ground, for
		cor.of secs.26,27,34, and 35; dig pits 18 x $18$ x 12
		ins.in each sec.4 ft.dist., and raise a mound of
	~	earth 4 ft.base, 2 ft.high over deposit.
		In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12
r		ins.in the ground, marked
	r	T 2 S S 26 on NE.
		R 18 W S $^{^{\prime}}$ 35 on SE.
		S 34 on SW., and
		S 27 on NW. face, with 1 notch on S. and 2 notches
		on E.edge.
	·	Land, level wait out.
		Soil, alkali; 4th rate, and salt.
		No timber
		· g · · · · · · · · · · · · · · · · · ·
		The cor.of secs.25,26,35, and 36 being plainly visible
		I run for said corner,
		N.89° 57'E.on a random line bet.secs.26 and 35,
	40.00	Set temp. 1/4 sec.cor.
	80.00	Intersect N. and S.line at the cor.of secs.25,26,35,
		and 36. Thence I run
		S.89° 57'W.on a true line bet.secs.26 and 35,
		Over level alkali land.
	40.00	Deposit a quart of charcoal 12 ins.in the ground, for
		$\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of
	* -	cor.4 ft.dist.; and raise a mound of earth 32 ft.
- 1		

	SUBDIVISION OF T' 2.S., R. 18 W.
Chains	base, light over deposit.
	In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
	ins.in the ground, marked
	$\frac{1}{4}$ S 26 on N.face, and 35 on S.face.
64.00 J	Leave alkaligland; ,enter, salt bed.
80.00	The cor.of secs. $26,27,34$ , and $35$ .
	Land, level.
	Soil, alkali; 4th rate and salt bed.
	No timber.
]	
	N.0° 02'W.bet.secs.26 and 27,
	Over level salt bed.
40.00	Set a pine post 3 ft.long, 4 ins.sq., with quart of
	charcoal, 24 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked
	$\frac{1}{4}$ S 27 on W.face, and 26 on E.face; dig pits 18 x 18
	x 12 ins.E. and W.of post 3 ft.dist.; and raise a
	mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high over deposit.
go.00	Set a pine post 3 ft.long, 4 ins.sq., with quart of
	charcoal 24rins; in ground; for cor, secs. 22; 23, 26 and
	27, mkd. T 2 S S 23 on NE.
	R 18 W S 26 on SE.
	s 27 on sw., and
	S 22 on NW.face, with 2 notches on S. and E.
	edges. Pits and mound impracticable.
	Land, level salt bed.
	No timber.

N.89° 55 E.on a random line bet.secs.23 and 26,
40.00 Set temp. sec.cor.
80.00 Intersect N. and S.line at the cor.of secs.23,24,25,

I run for said corner,

-10--

SUBDIVISION OF T. 2.S., R. 18 W. Chains. and 26. Thence I run s.890 55 W.on true line bet.secs.23 and 26 Over level salt bed. Set a pine post 3 ft.long, 4 ins.sq., with quart of 40.00 charcoal, 24 ins.in the ground, for \frac{1}{4} sec.cor., \cdots' marked  $\frac{1}{2}$  S 23 on N. face and 26 on S. face. Pits and mound impracticable. The cor. of secs. 22, 23, 26, and 27. 80.00 Land, level salt bed. No timber. N.0° 02'W.bet.secs.22 and 23, Over level salt bed. 40.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  S  $\cdot$  22 on W. face, and 23 on E. face. Pits and mound impracticable. Set a pine post 3 ft.long, 4 ins.sq., with quart of 80.00 charcoal, 24 ins. in the gwound for cor. of secs. 14,15, 22, and 23, marked T 2 S S 14 on NE. R 18 W S 23 on SE. S 22 on SW., and S 15 on NW.fæe, with 2 notches on E. and 3 notches on S.edge. Pits and mound impracticable. Land, level salt bed. No timber. The cor. of secs. 13, 14, 23, and 24 being plainly visible I run for sáid corner,

40.00 Set temp. \(\frac{1}{4}\) sec.cor.

80.00 Intersect N. and S.line at the cor.of secs. 13, 14, 23

N.89° 55'E.on a random line bet.secs.14 and 23,

and 24. Thence I run

S.89° 55'W.on a true line bet.secs.14 and 23, Over level salt bed.

40.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for  $\frac{1}{4}$  sec.cor. marked  $\frac{1}{4}$  S 14 on N.face, and 23 on S.face. Pits and mound impracticable.

The cor. of secs. 14, 15, 22, and 23. 80.00

Land, level salt bed.

No timber.

N.0° 02'W.bet.secs.14 and 15,

Over level salt bed.

Set a pine post 3 ft.long, 4 ins.sq., with quart of

40.00

80.00

charcoal, 24 ins.in the ground, for disecscorsemarked

1 S 15 on W.face, and 14 on E.face. Pits and mound

of earth impracticable.

Set a pine post 3 ft.long, 4 ins.sq., with quart of

14, and 15, marked

T 2 S S 11 on NE.

R 18 W S 14 on SE.

S 15 on SW., and

S 10 on NW.face, with 2 notches on E. and 4 notches on S.edge. Pits and mound impracticable.

charcoal, 24 ins.in the ground for cor.ofsecs. 10,11

Land, level salt bed.

No timber.

The cor. of secs. 11,12,13, and 14 being plainly visi-

ble, I run for said corner,

N.89° 56'E.on a random line bet.secs. 11 and 14,

46100 Set temp. sec.cor.

Chains Intersect N. and S.line at the cor. of secs. 11, 12, 13, 80.00 and 14. Thence I run S. 59° 56'W. on a true line bet. secs. 11 and 14, Over level salt bed. Set a pine post 3 ft.long, 4 ins.sq., with quart of 40.00 charcoal, 24 ins. in the ground for  $\frac{1}{4}$  sec. cor., marked 1 S 11 on N. face, and 14 on S. face. Pits and mound impracticable. The cor. of secs. 10, 11, 14, and 15. 80.00 Land, level salt bed. No timber. N.0° 02'W.bet.secs.10 and 11, Over level salt bed. 40.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins. in the ground, for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  S 10 on W.face, and 11 on E.face. Pits and mound impracticable. 80.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for cor.of secs. 2,3, 10, and 11, marked T 2 S S 2 on NE. R 18 W S 11 on SE. S 10 on SW., and S 3 on NW. face, with 2 notches on E. and 5 notches on S.edge. Pits and mound impracticable. Land, level salt bed. No timber.

The cor.of secs.1,2,11, and 12 being plainly visible
I run for said corner,

Chains N.89° 56'E.on a random line bet.secs.2 and 11, 40.00 Set temp. 2 sec.cor.

80.00 Intersect N. and S.line at the cor.of secs.1,2,11, and 12. Thence I run

S.89° 56'W.on a true line bet.secs.2 and 11,

Over level salt bed.

40.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, mork sec.cor., marked \$\frac{1}{4}\$ S 2 on N.face and 11 on S.face. Pits and mound impracticable.

80.00 The cor.of secs.2,3,10, and 11.

Land, level salt bed.

•

No timber.

The cor.of secs.2,3,34, and 35 on N.bdy.of Tp.being plainly visible I run for said corner,
N.0° 02'W.bet.secs.2 and 3,

Over level salt bed.

Intersect N.bdy.of Tp.at the cor.of secs.2,3,34, and

. 35, which is a pine stake 2 ins.sq., 12 ins.above ground, marked and witnessed as described by the surveyor general.

Thence I run

80.04

S.0° 02'E.bet.secs.2 and 3,

Over level salt bed.

40.04 Set a pine post 3 ft.long, 4 ins.sq., with quart of

charcoal, 24 ins.in the ground for \$\frac{1}{4}\$ sec.cor., marked \$\frac{1}{4}\$ s 3 on W.face, and 2 on E.face. Pits and mound

80.04 The cor.ofsecs.2,3,10, and 11.

tends loved gold had

. Land, level. salt bed.

impracticable.

Chains. Sept.16: At the cor.of secs. 3,4,53, and 34 on S.Ddy.

of Tp. established by myself and heretofore described,

lat.40° 35' 38" N.: long. 115° 56'07 " W., at 7 h.

46 m.p.m.by:my.katch which is 3 m.slow of l.m.t. I

observe Polaris at eastern elongation in accordance

with instructions in the Manual, and mark a point in

the line thus determined on a stake driven in the

ground 4 chs.N.of my station.

Sept.17: At 7 a.m. I lay off the azimuth of Polaris

1° 34' to the west and mark the meridian thus determined by cutting a mark on a stone firmly set in
the ground west of the point established last night;
the magnetic bearing of the true meridian is N.18°0'
W., which gives the mag.deol. 18° 0'E.

Thence I run

50.00

20.00

N.0° 03'W.bet.secs.33 and 34, Over level alkali land.

maaaatt a amaattab ahaa

Deposit a quart of charcoal 12 ins.in the ground; for ‡ sec.cor:; dig pits 18 x 18 x 12 ins.H. and S.of cor.H ft.dist.; and raise a mound of earth 3½ it. base, 1½ ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.eq., 12 ins.in the ground, marked

1 S 33 on W.face, and 34 on R. Roce.

Loave alvali land; onter salt bed.

Doposit a quart of charcoal 12 ins.in the ground, for cor.of mecn.27,28,33, and 34; dig pits 18 x 18 x 12

ins.in each sec.4 ft.dist., and raise a nound of earth 4 ft.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 inw.sq., 12 ins.in the ground, marked

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SUBDIVISION OF T. 2 S. R. 18 W.

T 2 S S 27 on NE.

R 18 W S 34 on SE.

S 33 on SW., and

S 28 on NW.face, with 3 notches on E. and 1 notch

on S.edge.

Land, level.salt bed.

Soil, alkali; 4th rate and salt.

No timber.

Chains

40.00

80.00

40.00

80.00

40.00

80.00

The cor.of secs.26,27,34, and 35 being plainly visible,

I run for said corner,

N.89° 56 E.on a random line bet. secs. 27 and 34,

Set temp.  $\frac{1}{4}$  sec. cor. Intersect N. and S.line at the cor. of secs. 26,27,34,

and 35. Thence I run

S.89° 56'W.on true line bet.secs.27 and 34,

Over level salt. bed.

Set a redwood post 3 ft.long, 4 ins.sq., with quart of

charcoal, 24 ins.in the ground, for  $\frac{1}{4}$  sec.cor.marked

practicable.

1 S 27 on N. face, and 34 on S. face. Pits and mound im-

The cor.of secs.27,28,33, and 34.

Land, level salt bed.

No timber.

Over level salt bed. . '

practicable.

Bet a pine post 3 ft.long, 4 ins.sq., with quart of

N.00 03 W.bet.secs.27 and 28,

charcoal, 24 ins. in the ground, for  $\frac{1}{4}$  sec. cor. marked

1 S 28. on W. face, 27 on E. face. Pits and mound im-

Set a pine post 3 ft.long, 4 ins.sg, with quart of

ĺ		
	Chains	charcoal, 24 ins.in the ground for cor.of secs.21,22
		27, and 28, marked
		T 2 S S 22 on NE.
		R 18 W S 27 on SE.
		S 28 on SW., and
		S 21 on NW. face, with 3 notches on F. and 2 notches
		on S.edge. Pits and mound impracticable.
		Land, level salt bed.
1		

The cor.of secs.22,23,26, and 27 being plainly visible I run for said corner,

Set temp. description sections section and S. line at the cor. of secs. 22, 23, 26, and

N .89° 56'E.on a random line betsees.22 and 27,

27. Thence I run
S.89° 56'W.on true line bet.secs.22 and 27,

Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for \(\frac{1}{4}\) sec.cor., marked \(\frac{1}{4}\) S 22 on N.face, and 27 on S.face. Pits and mound

The cor.of secs.21,22,27, and 28.

Land, level salt bed.

Over level salt bed.

impracticable.

No timber.

No timber.

40.00

80.00

40.00

80.00

40.00

N.0° 03 W.bet.secs.21 and 22, Over level salt bed.

Set a pine post 3 ft. ins.sq., with quart of charcoal 24 ins.in the ground, for \(\frac{1}{4}\) sec.cor., marked \(\frac{1}{2}\) S 21

on W.face, and 22 on E.face. Pits and mound impracticable.

	}
Chains	Set a pine post 3 ft.long, 4 ins.sq., with quart of
, "Ad a to a re-	charcoal, 24 ins.in the ground for cor.of secs.15,16,
	21, and 22, marked
	T 2 S S 15 on NE.
	R 18 W S 22 on SE.
	S 21 on Sw., and
£1.101	S 16 on NW.face, with 3 notches on S. and E.edges.
,, , ,	Pits and mound impracticable.
	Land, level salt bed.

N.89° 56'E.on a random line bet.secs.15 and 22,

Set temp. 1/4 sec.cor.

Intersect N. and S.line at the cor.of secs.14,15,22, and

The cor.of secs.14,15,22, and 23 being plainly visible,

23. Thence I run

S.89° 56'W.on a true line bet.secs.15 and 22,

Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for ½ sec.cor.marked

1 S 15 on N. face, and 22 on S. face. Pits and mound

impracticable.
The cor. of secs. 15, 16, 21, and 22.

Land; Tevel salt bed.

I run for said corner,

Over level salt bed.

### No timber.

No timber.

40.00

80.00

40.00

80.00

Over level salt bed.

40.00 Set a pine pest 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for \( \frac{1}{2} \) sec.cor.marked \( \frac{1}{2} \) S 16 on W.face, and 15 on E.face. Pits and mound

N.0° 03'W.bet.secs.15 and 16,

		SUBDIVISION OF T. 2.S., R. 18 W.
-		
		• impracticable.
	80.00	set a pine post 3 ft.long, 4 ins.sq., with quart of
	·	charcoal, 24 ins.in the ground for cor.of secs.9,10,
		15, and 16, marked
		T 2 S S 10 on NE.
		R 18 W S 15 on SE.
		s 16 on św., and
	1 3,4	S 9 on NW.face, with 3 notches on E. and 4 notches
		on S.edge. Pits and mound impracticable.
		Land, level salt bed.
		No timber.
		•
		The cor.of secs.10,11,14, and 15 being phainly visible
		I run for said corner,
		N.89° 56'E.on a random line bet.secs.10 and 15;
	40.00	Set temp. 1/2 sec.cor.
	79.98	James James Joseph William Brown Commencer
	17.70	Intersect N. and S.line at the cor. of secs. 10, 11, 14,
	: - '	and 15. Thence I run
Ì		S.89° 56'W.on a true line bet.secs.10 and 15,
	/	Over level salt bed.
	39.99	Set a pine post 3 ft.long, 4 ins.sq., with quart of

charcoal, 24 ins.in the ground for \(\frac{1}{4}\) sec.cor. marked \(\frac{1}{4}\) S 10 on N.face, and 15 on S.face. Pits and mound

The cor. of secs. 9, 10, 15, and 16.

Land, level salt bed.
No timber.

impracticable.

79.98

N.0° 03'W.bet.secs.9' and 10,

Over level salt bed.

Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for 1 sec.cor.mkd 59 on

W. face, and 10 on E. face. Pits and mound impracticable.

manifested & the property desired and the second se	
Chains.	Set a pine post 3 ft.long, 4 ins.sq., with quart of
	charcoal, 24 ins.in the ground, for cor.of secs.3,4,
	9, and 10, marked
	T 2 S S 3 on NE.
	R 18 W S 10 on SE.
, ,	S 9 on SW., and
	s 4 on NW. face, with 3 notches on E. and 5 notches
	on S.edge. Pits and mound impracticable.
	Land, level salt bed.
	No timber.
	The cor.of secs.2,3,10, and ll being plainly visible,
	I run for said corner,
₹ *	N.89° 56'E.on a random line bet.secs.3 and 10,
40.00	Set temp. 1/4 sec.cor.
79.98	Intersect N. and S.line at the cor.of secs.2,3,10, and
,	11. Thence I run
	S.89° 56'W.on true line bet.secs.3 and 10,
•	Over level salt bed.
39.99	Set a pine post 3 ft.long, 4 ins.sq., with quart of
	charcoal, 2401118.in ground, Forkad sec.cor., marked
	½ S 3 on N. face, and 10 on S. face.
, ,	Pits and mound impracticable.
79.98	The cor. of secs. 3,4,9, and 10.
	Land, level salt bed.
•	No timber.
*	
	The cor.of secs.3,4,33, and 34 on N.bdy.of Tp.being
s į t	
	plainly visible, I run for said corner,
	N.0° 03'W.bet.secs.3 and 4.on random line

Intersect N.bdy. 67 Tp.at the cor. of secs. 3,4,33, and

714

Set temp.  $\frac{1}{4}$  sec. cor.

40.00

80.06

SUBDIVISION OF T. 2 S., R. 18 W. 34, which is a pine stake 2 ins.sq., 12 ins.above Chains ground, marked and witnessed as described by the surveyor general. Thence I run ..... S.0º 03 W.bet.secs.3, and 4; Over level salt bed. Set a pine post 3 ft.long; 4 ins.sq., with quart of 40.06 charcoal, 24 ins.in the ground, for 1 sec.cor., marked . 1 S 4 on W.face, and 3 on E.face. Pits and mound impracticable. The cor.of secs.3, $\mu$ ,9, and 10. Land, level salt bed. 80,66 No timber. From the cor.of secs.4,5,32, and 33 on S.bdy.of Tp., as established by myself and heretofore described, I N.0° 03'W.bet.secs.32 and 33, Over level alkali land. 40.00

Deposit a quart of charcoal, 12 ins.in the ground, for  $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of

cor.4 ft.dist., and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

 $\frac{1}{4}$  S 32 on W.face, and 33 on E.face.

earth 4 ft.base, 2 ft.high over deposit.

Deposit a quart of charcoal, 12 ins.in the ground, for cor.of secs.25,29,32, and 33; dig pits 18 x 18 x 12 ins.in each sec.4 ft.dist., and raise a mound of

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 2 S S 28 on NE.

R 18 W S 33 on SE.

S 32 on Sw., and

80.00

SUBDIVISION OF T. 2 S., R. 18 W.		
Chains	S 29 on NW. face, with 1 notch on S. and 4 notches	
	on E.edge.	
, ,	Land, level + Var to prove the second	
	Soil, alkali; 4th rate.	
	No timber.	
1		
	The cor.of secs.27,28,33, and 34 being plainly visible	
	I run for said corner,	
	N.89° 54 E.on a random line bet.secs.28 and 33,	
40.00	Set temp. t sec.cor.	
80.00	Intersect N. and S.line at the cor. of secs. 27,28,33,	
. ,	and 34. Thence I run	
	S.89° 54'W.on true line bet.secs.28 and 33,	
,	Over level salt bed.	
40.00	Set a redwood post 3 ft.long, 4: ins.sq., with quart of	
	charcoal, 24 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked	
	$\frac{1}{4}$ S $28$ on N.face, and $33$ on S.face. Pits and mound	
	impracticable.	
80.00	The cor.of secs.28,29,32, and 33.	
,	Land, Level salt bed.	
	No timber.	
,	N.0° 03'W.bet.secs.28 and 29,	
	Over level salt bed	
40.00	Set a redwood post 3 ft.long, 4 ins.sq., with quart	
ţ.	of chargoal, 24 instinthe ground, for $\frac{1}{4}$ sector.	
, , ,	marked 1/4 S 29 on W. face, and 28 on E. face. Pits and	
,	mound impracticable.	
80.00	Set a pine post 3 ft.long, 4 ins.sq., with quart of	
F ,	charcoal, 24 ins.in the ground, for cor.of secs.20,21	
	1	

28, and 29, marked

T 2 S S 21 on NE.

	••	
		SUBDIVISION OF T. 2 S., R. 18 W.
-		
	Chains	R 18 W S 28 on SE.
		s 29 on SW., and
		S 20 on NW.face, with 2 notches on S. and 4 notche
		on E.edge. Pits and mound impracticable.
		Land, level salt bed.
		No timber.
		,
		The cor.of secs.21,22,27, and 28 being plainly visible
		I run for said corner,
		N.89° 55'E.on a random line bet.secs.21 and 28,
	40.00	Set temp. 4 sec.cor.
	೮೦.೦೦	Intersect N. and S.line at the cor.of secs.21,22,27,
		and 28. Thence I run
		S.89° 55'W.on a true line bet.secs.21 and 28,
		Over level salt bed.
	40.00	Set a pine post 3 ft.long, 4 ins.sq., with quart of
	,	charcoal, 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked
		$\frac{1}{4}$ S 21 on N.face, and 28 on S.face. Pita and mound
		impracticable.
	80.00	The cor. of secs. 20,21,28, and 29.
		Land, level salt bed.
		No timber.
- 1	1	

N.0° 03'W.bet.secs.20 and 21,

Over levelsalt bed. ...

40,.00

Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for \$\frac{1}{4}\$ sec.cor., marked \$\frac{1}{4}\$ S 20 on W.face, and 21 on E.face. Pits and mound impracticable.

So.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground for cor.of secs.16,17, 20, and 21, marked

	SUBDIVISION OF T. 2. 5., R. 10 W.
Chains	T 2.S S 16 on NE.
	R 18 W S 21 on SE.
	S 20 on SW., and
	S 17 on NW.face, with 4 notches on E. and 3 notches
÷ ' *	on Siedge. Pits and mound impracticable.
	Land, level salt bed.
	No timber.
	The cor.of secs.15,16,21, and 22 being plainly visible
,	I run for said corner,
	N.89° 55'E.on a random line bet.secs.16 and 21,
40.00	Set temp. desc. cor .
80.00	Intersect N. and S.line at the cor.of secs.15,16,21,
	and 22. Thence I run
	S.89° 55'W.on a true line bet.secs.16 and 21,
	Over levels alt bed.
40.00	Set a pine post 3 ft.long, 4 ins.sq., with quart of
	charcoal, 24 ins.in the ground, for 1 sec.cor.marked
2	$\frac{1}{4}$ S 16 on N.face, and 21 on S.face. Pits and mound
	impracticable.
80.00	The cor. of secs. 16,17,20, and 21.
	Land, levels alt bed.
,	No timber.

Over level salt bed.

Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground for \( \frac{1}{4} \) sec.cor.marked \( \frac{1}{4} \) s 17 on W.face, and 16 on E.face. Pits and mound impracticable.

N.00 03'W.bet.secs.16 and 17,

So.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground for cor.of secs.8,9,

<b>** B</b> ****	<b>d</b> was provided the control of the	SUBDIVISION- OF. T. 2. S., R. 18 W.
	Chains	
		T 2 S S 9 on NE.
		R 18 W S 16 on SE.
		S 17 on SW., and
		S on lw.face, with 4 notches on S. and E.edges.
-		Pits and mound impracticable.
		Land, level salt bed.
		No timber.
	•	
		The cor.of secs.9,10,15, and 16 being paainly visible
		I run for said corner, and the first transfer of transfer of tra
		N. 59° 54'E. on a random line bet. secs. 9 and 16,
	40.00	Set temp. 1/4 sec.cor.
	୪୦.02	Intersect N. and S.line at the cor. of secs. 9,10,15, and
		16. Thence I run
	•	S.89° 54'W.on true line bet.secs.9 and 16,
		Over level salt bed.
	40.01	Set a pine post 3 ft.long, 4 ins.sq., with quart of
		charcoal, 24 ins.in the ground, for posec.cor.,
		marked $\frac{1}{4}$ S 9 on N. face, and 16 on S. face. Pits and
		mound impracticable.
	80.02	The cor. of secs. 8,9,16, and 17.
		Land, level salt bed.
		No timber.
		N.0° 03'W.bet.secs.8 and 9,
1		Over level salt bed.
	40.00	Set a pine post 3 ft.long, 4 ins.sq., with quart of
	ì	charcoal 24 ins.in the ground, for } sec.cor., marked
	* **	1 S g on W. face, and 9 on E. face. Pits and mound im-
-		practicable.
The state of the s	80.00	Set a pine post 3 ft.long, 4 ins.sq., with quart of
-		oho

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#### SUBDIVISION OF T. 2 S., R. 18 W.

Chains. charcoal, 24 ins.in the ground, for cor.of secs.4,5,

8, and 9, marked

T 2 S S 4 on NE.

R 18 W S 9 on SE.

S 8 on SW., and

S 5 on NW.face, with4 notches on E. and 5 notches on S.edge. Pits and mound impracticable.

Land, level salt bed.

No timber.

40.00

80.02

40.01

80.02

40.00

80.10

ma

The cor.of secs.3,4,9, and 10 being plainly visible

I run for said corner,

N.89° 54'E.on a random line bet.secs.4 and 9,

Set temp. 1/4 sec.cor.

Intersect N. and S.line at the cor. of secs. 3, 4, 9, and

S.89° 54 W.on true line bet.secs.4 and 9,

Over level salt bed.

set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for \( \frac{1}{4} \) sec.cor., marked \( \frac{1}{4} \) S 4 on N.face, and 9 on S.face. Pits and mound impracticable.

The cortof secs. 4,5,8, and 9. ...

Landiclevel salt bed.

No timber.

The cor.of secs.4,5,32, and 33 on N.bdy.of Tp.being plainly visible, I run for said corner,

Set temp. 2 sec. cor.

N.0°:03!W.bet.secs.4 and:5,

Intersect N.bdy.of Tp.at the cor.of secs.4,5,32, and 33

which is a pine stake 2 ins.sq., 12 ins.above ground

Chains: marked and witnessed as described by the surveyor general. Thence I run

S.0° 03'E.on true line bet.secs.4 and 5, Over level salt bed.

set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for \( \frac{1}{4} \) sec.cor. marked \( \frac{1}{4} \) s 5 on W.face, and 4 on F.face. Pits and mound impracticable.

go.10 The cor.ofsecs.4,5,8, and 9.
Land, level salt bed.

No timber.

Sept.17, 1908.

Sept.17: At the cor.of secs.5,6,31, and 32 on Subdy.of Tp., established by myself, and heretofore described, lat.40° 35′ 38″ N.; long.113°55 '23 ″ W., at 7 h. 42m. p.m.by my watch, which is 3 m. slow of 1.m.t., I observe Polaris at eastern elongation in accordance with instructions in the Manual, and mark a point in the line thus determined on a stake driven in the ground 4 chs.N.of my station.

Sept.18: At 7 a.m., I lay off the azimuth of Polaris

1° 34' to the west and mark the meridian thus determined by cutting a mark on a stone firmly set in
the ground west of the point established last night:
the magnetic bearing of the true meridian is N.18°00'W
, which gives the mag.decl. 18°00'E.

Thence I run

11.0° 04'W.bet.secs.31 and 32,

Over level alkali land.

; 40.00 Deposit a quart of charcoal 12 ins.in the ground, for deposit a quart of charcoal 12 ins.in the ground, for -27- - : .

#### SUBDIVISION OF T.. 2 S., R. 18 W.

Chains. cor.4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base  $1\frac{1}{2}$  ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

 $\frac{1}{4}$  S 31 on W.face, and 32 on: E.face.

Deposit a quart of charcoal, 12 ins.in the ground, for cor.of secs.29,30,31, and 32; dig pits 18 x 18 x 12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 2 S S 29 on NE.

R 18 W S 32 on SE.

s 31 on Sw., and

S 30 on NW.face, with 1 notch on S. and 5 notches on E.edge.

Land, level.

140.00

80.00

40.00

Soil, alkali; 4th rate.

No timber.

The cor. of secs. 28,29,32, and 33 being plainly visible

I run for said corner,

N.89° 53'E.on a random line bet.secs.29 and 32, Set temp.  $\frac{1}{2}$  sec.cor.

Intersect N. and S.line at the cor.of secs.28,29,32,

and 33. Thence I run
S.89° 53'W. on a true line bet.secs.29 and 32

Over level alkali land.

Deposit a quart of charcoal 12 ins.in the aground for

 $\frac{1}{2}$  sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor., 4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

era kreita,		SUBDIVISION OF T. 2 S., R. 18 W.	
,			*
	Chains	ins.in the ground, marked policies from a supply	
		1 S 29 on N. face, and 32 on S. face.	(-) 1 (5
	g0.00.	The cor. of secs. 29,30,31, and 32.	.,
		Land, level.	,
		Soil, alkali; 4th rate.	
		No timber.	
		the state of the s	
		and the second of the second o	
,		The cor.of secs.25,30,31, and 36 on W.bdy.of Tp.being	ŕ
		plainly visible, I run for said corner,	,
		S.89° 56'W.on a random, line bet.secs.30 and 31,	
	40.00	Set temp. 1 sec.cor.	
	77•75	Intersect W.bdy.of Tp.at the cor.of secs.25,30,31, and	l
-		36, which is a glass deposit, with pits and mound ar	4
ļ	,	pine stake 2 ins.sq., 12 ins.above ground, marked ar	10
	-	witnessed as described by the surveyor general.	
		Thence I run	
		N.89° 56'E.on a true line bet.secs.30 and 31,	
		Over level land.	
	37.75	Deposit a quart of charcoal 12 ins.in the ground for	1
	,	sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.	•
	, ,	4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base,	1
		ft.high over deposit.	
	۲	In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12	
	,	ins.in the ground, marked ½ S 30 on N.face, and 31 on S.face.	,
	77 75	and the second of the second o	,
	77•75	The cor. of secs. 29,30,31, and 32.  Land, level.	

N.0° 04'W.bet.secs.29 and 30,

Over level alkali land, and a rest of high at

30.00n Leave alkali; enter salt land.

Soil, alkali; 4th rate.

Chains 40.00 Deposit a quart of charcoal 12 ins.in the ground, for

> F sec.cor.; dig pits 15 x 18 x 12 ins.N. and S.of cor.4 ft.dist.; and raise a mound of earth 31 ft.base

la ft.high over deposit.

In S. pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

1 S 30 on W.face, and 29 on E.face.

Set a pine post 3 ft.long, 4 ins.sq., with quart of

charcoal, 24 ins.in the ground, for cor.of secs, 19,

20, 29, and 30, narked

T 2 S S 20 on NE.

R 18 W S 29 on SE. S 30 on SW., and

S 19 on NW.face, with 2 notches on S. and 5 notches on E.edge. Pits and mound impracticable.

Land, level.

Soil, alkali; 4th rate., and salt.

No timber.

00.08°

40.00

go.00'

40.00

80.00

The cor. of secs. 20,21,28, and 29 being oplainly visible

I run for said corner,

N.89° 52'E.on a random line bet.secs.20 and 29,

Set temp. 1 sec.cor.

Intersect N. and S.line at the cor. of secs. 20,21,28,

and 29. Thence I run S.89° 52 W.on a true line bet.secs.20 and 29,

Over level salt bed.

Set a redwood post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for 4 sec.cor., marked

1 S 20 on N. face, and 29 on S. face. Pits and mound

The cor. of secs. 19, 20, 29, and 30.

Land, level salt bed.

No timber.

impracticable.

#### SUEDIVISION OF T. 2'S., R. 18 Y

The cor.of secs.19,24,25, and 30 on Nw.bdy.of Tp. being plainly visible, I run for said corner, s.89° 56'W.on a random line bet.secs.19 and 30,

40.00 Set temp. desc. cor.

77.71 Intersect W.bdy.of Tp.at the cor.of secs.19,24,25, and
30, which is a glass deposit with pits and mound, and
a pine stake 2 ins.sq., 12 ins.above ground, marked

Thence I run

Over level alkali land.

27.71 Leave alkali; enter salt land.

37.71 Set a redwood post 3 ft.long, 4 ins.sq., with quart of

charcoal, 24 ins.in the ground, for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  S 19 on N.face, and 30 on S.face. Pits and

and witnessed as described by the surveyor general.

N.89° 56 E.on a true line bet.secs.19 and 30,

mound impracticable.

The cor.of secs.19,20,29, and 30.

Land, level.

Soil, alkali, 4th rate, and salt. No timber.

NO CIMOCI .

77.71

**}**10.00

80.00

N.0° 04'W.bet.secs.19 and 20

Over level salt bed.

Set a pine post 3 ft.long, 4 ins.sq., with quart of

charcoal, 24 ins.in the ground, for 1 sec.cor., marked

1 S 19 on W. face, and 20 on E. face. Pits and mound

impracticable.

Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for cor.of secs.17,

18,19, and 20, marked

T 2 S S 17 on NE.

R 18 W S 20 on SE.

S 19 on SW., and

S 18 on NW. face, with 5 notches on E. and B notch

Chains ... es on S.edge. Pits and mound impracticable.

Marke ! Land, level salt bed.

No timber.

The cor.of secs.16,17,20, and 21 being plainly visible I run for said corner,

N.89° 52'E.on a random line bet.secs.17 and 20,

and 21. Thence I run

Intersect N. and S.line at the cor. of secs. 16,17,20,

40.00

79.98

1 171.5

39.99

79.98

40.00

77.67.

37.67

S.89° 52'W.on true line bet.secs.17 and 20,

Over level salt bed.

Set a redwood post 3 ft.long, 4 ins.sq., with quart of

charcoal, 24 ins.in the ground, for 1 sec.cor., marked

1 S 17 on N. face, and 20 on S. face. Pits and mound

impracticable.

The cor.of secs.17,18,19,  $\frac{7}{1}$  and 20.

Land, level salt bed.

No timber.

The cor.of secs.13,18,19, and 24 on W.bdy.of Tp.being

plainly visible I run for said corner,

S.89° 56'W.on a random line bet.secs.18 and 19,

with stake Mainsisque 12 instabove ground, marked and

Set temp. dec.cor.

Intersect W.bdy.of Tp.at the cor.ofs ecs.13,18,19, and 24, which is a glass deposit, with this and mound i.

witnessed as described by the surveyor general. .

Thence I run

N.89° 56 E.on a true line bet.secs.18 and 19,

Over level salt bed.

Set a redwood post 5 ft.long, 4 ins.sq., with quart of

	SUBDIVISION OF T: 2 S. R. 18 W.
	•
Chains	. charcoal, 24 ins.in the ground, for $\frac{1}{4}$ sec.cor., market
	$\frac{1}{4}$ S 18 on N.face, and 19 on S.face. Pits and mound
	impracticable.
77.67	The cor. of secs. 17,18,19, and 20.
	Land level salt bed.
	No timber.
•	and the control of the control of the state
	N.O° 04'W.bet.secs.17 and 18,
• ,	Over level salt bed.
40.00	Set a pine post 3 ft.long, 4 ins.sq., with quart of
	charcoal, 24 ins.in the ground, for 1 sec.cor., marked
	$\frac{1}{4}$ S 18 on W.face, and 17 on E.face. Pits and mound
	impracticable.
g0.00·	Set a pine post 3 ft.long, 4 ins.sq., with quart of
	charcoal, 24 ins.in the ground, for cor.of secs. 7,
	8,17, and 18, marked
	T 2 S S-17 on NE.
	R 18 W S 20 on SE.
	s 19 on sw., and
	S 18 on NW. face, with 3 notches on S. and 5 notch-
	es on E.edge. Pits and mound impracticable.
-	Land, level salt bed.
	No timber.
	The cor. of secs. 8,9,16, and 17 being plainly visible, I
	run for said corner,
	N.89° 52 E.on a random line bet.secs.8 and 17
40.00	Set temp. 1/4 sec.cor.
79.98	Intersect N. and S.line at the cor. of secs. 8,9,16, and
-	17. Thence I run

SES9° 52 W.on true line bet.secs.8 and 17,

Over level salt bed.

	SUBDIVISION OF T. 2 S., R. 18 W.
Chains 39.99	
y ( ) , , ,	No timber.
	The cor.of secs.7,12,13, and 18 on W.bdy.of Tp.being
. :	plainly visible, I run for said corner,  s.89°56'W.on random line bet.secs.7 and 18,
40.00	Set temp. 1/4 sec.cor.
77.62	Intersect W.bdy.of Tp.at the cor.of secs.7,12,13, and
	.18, which is a glass deposit with pits and mound, and

stake in pit, 2 ins.sq., 12 ins.above ground, marked

charcoal, 24 ins.in the ground, for 4 asec.cor.marked

1 S 7 on N. face, and 18 on S. face. Pits and mound

N.00 04'W.bet.secs.7 and 8,

and witnessed as described by the surveyor general.

N.89° 56'E.on true line bet.secs.7 and 18, Over level salt bed.

Thence I run

37.62

77.62

40.00

80.00

- Set a redwood post 3 ft.long, 4 ins.sq., with quart of
- impracticable. The cor.of secs.7,8,17, and 18. Land, level salt bed.
- No timber.

Over level salt bed.

Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for 1 sec.cor., marked

1 S 7 on W.face, and 8 on E.face. Pits and mound impracticable.

Set

#### SUPPLYISION OF T. 2 S., R. 18 W.

Chains.

Set a pine post 3 ft.long, 4 ins.sq., with quart of chargoal, 24 ins.in the ground, for cor.of secs.5,6,7

and 8 marked

T2SS5 on NE.

R 18 W S. 8 on SE.,

s 7 on sw., and

S 6 on NW.face, with 5 notches on S. and E.edges.

Pits and mound impracticable.

Land, level salt bed.

No timber.

The cor.of secs.4,5,8 and 9 being plainly visible I run for said corner,

N.89° 52'E.on random line bet.secs.5 and 8,

Of Set temp. 2 sec. cor. - - -

79.96 Intersect N. and S.line at the cor.of secs.4,5,8, and
9.Thence I run

S,89° 52'W.on true line bet.secs.5 and 8,

Over level salt bed.

59.98 Sat a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for \(\frac{1}{2}\) sec.cor., marked \(\frac{1}{2}\) S 5 on M.face, and S on S.face. Pits and mound impracticable.

79.96 The cor.of secs.5,6,7, and 8.

Land, level salt bed.

No timber.

The ser.of secs.1,6,7, and 12 on W.bdy.of Tp.being plainly visible, I run for said corner,

\$.59° 56'T.on a random line bet.secs.6 and 7,

77.57 Intersect W.bdy.of Tp. at the cor.of secs.1,6,7, and 12

Chains which is a glass deposit, with pits and mound, and \*stake 2 ins.sq., 12 ins.above ground, marked and witnessed as described by the surveyor general. 

Thence I run

N.89° 56 E.on true line bet.secs.6 and 7, and the second second

Over level salt bed.

Set a redwood post 3 ft.long, 4 ins.sq., with quart of 37.57

77:57

40.00

80.14

40.14

80.14

charcoal, 24 ins.in the ground, for 4 sec.cor., mark-

impracticable.

Land, level salt bed.

practicable.

No timber.

No timber.

The cor. of secs. 5, 6, 7; and 8.

ed  $\frac{1}{4}$  S 6 on N. face, and 7 on S. face, Pits and mound

The cor.of secs.5,6,31 and 32 on N.bdy.of Tp.being

plainly visible I run for said corner, N.0° C6'W.bet.secs.5 and 6,on random line,

Set temp. z sec.cor.

Intersect N.bdy.of Tp.at the cor.of secs.5,6,31 and 32, which is a pine stake 2 ins.sq., 12 ins.above ground

marked and witnessed as described by the surveyor

general. Thence I run

S.00 OG'E bet secs. 5 and 6, Over level salt bed.

Set a pine post 3 ft.long, 4 ins.sq., with quart of

charcoal 24 rins.in. the ground; afor  $\frac{1}{4}$  sec.cor., marked

1 S 5 on W.face, and 5 on E.face. Pits and mound im-

The cor.of secs.5,6,7, and 8. Land, level salt bed.

Sept.18, 1908.

-36-

SUBDIVISION OF T. 2 S., R. 18 W.

#### GENERAL DESCRIPTION.

This township contains only salt and alkali lands.

All of sections 31,32,35, and 36,major portions seggings
36,30,33 & 34,and SW.portion of sec.29 consist of a barren flat, unfit for any kind of agricultural crops. The
remaining portion of this township contains a deposit of
salt varying in thickness from 1 inch to many feet indepth; and from the surface indications it is softgreat
value as it seems to be almost pure.

I found no indications of mineral other than the salt. There is no timber; nor water in the township.

There are no settlers in the township.

Robert E. R. Calliet

U.S.Deputy Surveyor.

## FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.	
A list of the names of the individuals employed by	
, United States Deputy Surveyor	, to assist in running, measuring, and
ng the lines and corners described in the foregoing field notes	of the survey of
ng the lines and corners described in the foregoing field notes	
g the respective capacities in which they acted:	
list of names and final oaths of assistan	nta see hook "I." ~
	·
p. 2 S., H. 17 W.	, Chainman.
	, Moundman.
	, Moundman.
<u>-</u>	, Axman.
FINAL OATH OF ASSISTA	
We hereby certify that we assisted	
United Stat	
parts or portions of the	
meridian, of	
foregoing field notes as having been surveyed by him and und een in all respects, to the best of our knowledge and belief, v	
monuments established, according to the instructions furni	
al for	
	(7)
	, Chainman.
······································	, Moundman.
	, Moundman.
·	, Axman.
· · · · · · · · · · · · · · · · · · ·	,
<u>`</u>	
ribed and sworn to before me this)	•

## FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

And the second s
United States Deputy Surveyor
ademnly aware that, in pursuance of a contract received from
tradad Spring Surreyer General for
day of
proper person, and in strict conformity with the instructions furnished by the United States Su.
Get rul for, the Manual of Surveying Instructions, and the laws of .
United States, surveyed all those parts or portions of
14
yer 11:01 fill ovit 300 look "b" Tp. 2 S., B. 17 W.
of the
meridian, in the
foregoing field notes as having been surveyed by me, and under my direction; and I do further sole
swear that all the corners of said survey have been established and perpetuated in strict accordance w
the Manual of Surveying Instructions, and the special written instructions of the United States Surv.
General for and in the specific manner described in the field notes, and .
the foregoing are the original field notes of such survey.
0 4 0 0
Robert E. R. Callied
United States Deputy Surve:
Subscribed by said, and sworn to before me)
this
00000
6 NEAL 6 COCCOO
APPROVAL.
AFFROVAL.
OFFICE OF THE UNITED STATES SURVEYOR GENERAL,
CATION OF THE OWNERS BUTTON OF COMMISSION
Salt hoke city, Utdr. Jan:21, 199
The foregoing field notes of the survey of the subdivisional lines of Townshi
Me. I South hance No. 18 West or the Salt Lake Pese and Heridien,
数数数。
The second secon
A A A A A A A A A A A A A A A A A A A
executed hs Robert E.L.Gollier
god r have row No. 522 dated Rarch 5
erability exactivel, and the recessary corrections and explanations made, the said field notes, and
servery they chareful, are he roly approved.
Thamaskell
United States System (10.
I certify that the foregoing transcript of the field notes of the above-described surveys in

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# PAGE

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BOOK A-346

FIFID NOTES

g % ITELD	NOTES ""
OF THE SUR	VEY OF THE
GUIDE ME	R.I.D.I.A.N
r	
	• •
TOWNSHIP	NO. 2 SOUTH
BETW	EEN
RANGES NO.16	AND 17 WEST
	·
•	

AS SURVEYED BY

Of the \_\_\_\_\_\_Meridian,

Robert E.L.Collier , United States Deputy Surveyor, der his Contract No. 301 , dated March 5, 1908.

rvey commenced September 19 , 1908, rvey completed September 20, , 1908.

U.T.A.H,

6-00-00

K--- 151

#### NAMES AND DUTIES OF ASSISTANTS.

David Sherp drCasiman
Robt.T.Collier,Chairman.
David Rodger, Chairman.
R. Harold Browne, Moundran.
Ralph st. Wind. Playman.
And the second s
WHEN THE TOTAL PROPERTY OF THE
The state of the s
ACTION AND AND AND AND AND AND AND AND AND AN

B00K A-346

## INDEX DIAGRAM.

Town	rship2	South	., Range	17 West		ţi.
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80	20	28	27	20 .	95	5
81	82	83	84	85	30	6

Meanders Page.....

#### PRELIMINARY OATHS OF ASSISTANTS.

	Dobt M dollion and
WE, Ralph Gentry, David Shar	p Jr. and Robt.T.Collier and r and pr.
do solemnly swear that we will well and faithfu	ally execute the duties of chainmen; that we will level
chain upon even and uneven ground, and plumb	the tally pins, either by sticking or dropping the same; $t^*$
-	objects, and the true lengths of all lines that we assist
	d in accordance with instructions given us, in the survey
	South, between Rs.16 and 17 W.of the
Salt Lake Ease and Meridian, Ut	
Talph Henry	
Wolf TCollier_	David Rodger, Chain,
17	the desired
Subscribed and sworn to before me this	
day of the factor 190	CN GIADOR
THE TAXA	Clercon telluism
SEAL (F	1 Hauftrette
WE, I, RaHarold Browne	and
	y perform the duties of moundailen in the establishment
	us, to the best of our skill and ability, in the survey
*******	South, between Rs.16 and 17 W.of the
Salt Lake Base and Meridian, Uta	in. Vala an Bu
	R Harold Browne Moundme
_	, Mound,
	-th
Subscribed and sworn to before me this	
day of Ceregan, 1908	SH STORES
	Secret francis
SEAL	Wrang Paller
WE,	
	erform the duties of axmen in the establishment of
and other duties, according to instructions given	n us, to the best of our skill and ability, in the survey
***************************************	
	, Acomu
Submitted and arrang to before and the	***************************************
Subscribed and sworn to before me this	
day of, 190	) '
A CASTER W	
9, 81.A.1. (2)	
Declarate M. Wilson	,
1, Raiph N. Wind	, do solemnly swear that I will well and tru
perform the duties of flagman according to instr	uctions given me, to the best of my skill and ability, in
survey of the Guide Meridian, Town	ship 2 South, between Rs.16 and 17 W
of the Salt Lake Base and Meridi	an, Utah.
	Ralph Mu Ulised May
Subscribed and sworn to before me this 1978	
day of Cer Street 1901	- Jacobs
100)	( Denne ( VI) Tell-
SEAL O	1 - Day
6000000	Willder Gubles
4-131	

AN TP.2 S. BETWEEN RS.16 and 1 W.

Chains. Survey commenced Sept.19, 1908 and executed with the instrument described in book "A" of this survey.

At the cor.of Tps.1 and 2.S., Rs.16 and 17 W., which is a glass deposit, with pits and mound and pine stake 2 ins.sq., 12 ins.above ground, marked and witnessed as described by the surveyor general, lat.40° 40'51" N.; long.113P 42'53" W., at 7 h. 35 m. by my watch which is 3 m.slow of l.m.t., I observe Polaris at eastern elongation in accordance with instructions in the Manual, and mark a point in the line thus determined on a stake driven in the ground

Sept.20: at 7 h. 30 m.a.m.I lay off the azimuth of Polaris 1° 34' to the west and mark the meridian thus determined by cutting a mark on a stone firmly set in the ground west of the point established last night.

The magnetic bearing of the true meridian is N.18° 0'W. which gives the mag.decl. 18° 0'E.

Thence I run with two sets of chainmen,

South bet.secs.1 and 6, Over level alkali land.

Difference bet.measurement of 40.00 chs.by two sets of chainmen is 2 lks.; position of middle point

.By 1st set 40.01 chs.

By 2d set 39.99 chs., the mean of which is

40.00 Deposit a quart of charcoal 12 ins.in the ground for

\[ \frac{1}{4} \text{ sec.cor.}; \text{ dig pits 18 x 18 x 12 ins.N. and S.of cor.} \]

4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$  ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2-ins.sq., 12
ins.in the ground, marked

 $\frac{1}{4}$  S 1 on w.face, and 6 on E.face.

80.00

40.00

GUIDE MERIDIAN TP. 2 S., BETWEEN RS.16 and 17 W.

chains. Difference between measurements of 80.00 chs.by two
sets of chainmen is 4 lks.; position of middle point
By 1st set 80.02 chs.

By 2d set 79.98 chs., the mean of which is set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for cor.of secs.1,6,

T.2 S S 6 on NE.

R 16 W S 7 on SE.

S 12 on SW., and

S 12 on Sw., and

R 17 W S 1 on NW.face, with 1 notch on N. and 5 notches on S.edge; dig pits 18 x 18 x 12 ins.in each sec.  $5\frac{1}{2}$  ft.dist.; and raise a mound of earth 4 ft.base 2 ft.high W.of cor.

Land, level.

Soil, alkali; 4th rate.

No timber.

South bet.secs.7 and 12,

Over level, alkali land.

Difference between measurements of 40.00 chs.by two sets of chainmen is 2 lks.; position of middle point By 1st set 40.01 chs.

By 2d set 39.99 chs., the mean of which is

Deposit a quart of charcoal 12 ins.in the ground, for  $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base  $1\frac{1}{2}$  ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

 $\frac{1}{4}$  S 12 on W.face, and 7 on E.face.

Difference between measurement of 80.00 chs.by two sets of chainmen is 6 lks.; position of middle point

By 1st set 80.03 chs.

#### GUIDE MERIDIAN TP.2 S., BETWEEN RS.16 and 1 W.

Chains

40.00'

By 2d set 79.97 chs., the mean of which is

Set a pine post 3 ft.long, 4 ins.sq., with quart of
charcoal, 24 ins.in the ground, for cor.of secs.7,12,
13, and 18, marked

T 2 S S 7 on NE.

R 16 W S 1g on SE.

S 13 on Sw., and

R 17 W S 12 on NW.feee, with 2 notches on N. and 4 notches on S.edge; dig pits 18 x 18 x 12 ins.in each sec. 5½ ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high W.of cor.

Land, level.

Soil, alkali; 4th rate.

No timber.

South bet.secs.13 and 18,

Over level alkali land.

Difference bet.measurement of 40.00 chs. by two sets of chainmen is 3 lks.; position of middle point

By lst set 39.98; chs.

By 2d set 40.01½ chs., the mean of which is

Deposit a quart of charcoal 12 ins.in the ground, for

1 sec.cor.; dig pits 18 x 18 x 12ins.N. and S.of cor.

4 ft.dist.; and raise a mound of earth 3 to t.base,

12 ft.high over deposit.

In S.pit drive a pine stake 2 ft.donf, 2 ins.sq., 12 ins.in the ground, marked

1 S 13 on W. face, and 18 on E. face.

Difference bet.measurement of 80.00 chs.by two sets of chaimmen is 4 lks.; position of middle point

By 1st set 80.02 chs.

By 2d set 79.98 chs., the nean of which is

#### GUIDE MERIDIAN TP.2 S., BETWEEN RS.16 and 17 W.

Set alpine post 3 ft/long, 4 inslsql, with quart, of the 80.00 charcoal; 24 ins. in thenground, for corlof(secs:13018), 19g. and 24, marked T 2 S S 18 on NE. R 16 W S 19 on SE., s 24 on Sw., and R 17 W S 13 on NW. face, with 3 notches on N. and S.edges; dig pits 18x18x12 ins.in each sec. 5 ft.dist.; raise a mound of earth 4 ft.base, 2 ft.high W.of cor. Soil, alkali; 4th rate. No timber. South bet secs. 19 and 24, . Over level alkali land. Difference bet.measurements of 40.00 chs.by two sets of chainmen is 2 lks.; position of middle point By 1st set 40.01 chs. By 2d set 39.99 chs., the mean of which is 40.00 Beposit a quart of charcoal 12ins.in the ground, for 4 sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor., 4 ft.dist.; and raise a mound of earth 3 ft. base, 12 ft.high over deposit. In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

in s.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

½ S 24 on W.face, and log on E.face.
Difference bet.measurement of 80.00 chs.by two sets

of chaimmen is 5 lks.; position of middle point

By 1st set  $80.02\frac{1}{2}$  chs.

Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for cor.of secs. 19, 24,25, and 30; marked

By 2d set  $79.97\frac{1}{2}$  chs., the mean of which is

T 2 S S 19 on NE.

80.00

GUIDE MERIDIAN TP.2 S. BETWEEN RS.16 and 17 W.

Chains

40.00

80.00

R 16 W S 30 on SE.

s 25 on sw., and

R 17 W S 24 on NW.face, with 4 notches on N. and 2 notches on S.edge; dig pits 18 x 18 x 12 ins.in each sec.5½ ft.dist., and raise a mound of earth 74 rt.

base, 2 ft.high W.of cor. Land, level.

Soil, alkali; 4th rate.

No timber.

Over level alkali land...

Difference bet measurement of 40.00 chs.by two sets of chaimmen is 1 lk.; position of middle point

By 1st set 40.00½ chs.

By 2d set 39.99½ chs., the mean of which is
Deposit a quart of charcoal 12 ins.in the ground, for

 $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor. 4 ft.dist.; and raise a mound of earth  $3\frac{1}{6}$  ft.base,  $1\frac{1}{2}$ 

ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

ins.in the ground, marked

1 S 25 on W.face, and 30 on E.face.

Difference bet.measurement of 80.00 chs.by two sets of

chainmen is 6 lks.; position of middle point

By 1st, set 79.97 chs.

By 2d set 80.03 chs., the mean of which is Set a pine post 3 ft.long, 4 ins.sq., with quart of

charcoal, 24 ins.in the ground, for cor.of secs.25,

30,31, and 36, marked .

T 2 S S 30 on NE.

R 16 W S 31 on SE.

s 36 on SW., and

### GUIDE MERIDIAN TP.2 S., BETWEEN RS.16 and 17 W.

R 17 W S 25 on NW. face, with 5 notches on N. and 1 chains. notch on S.edge; dig pits 18 x 18 x 12 ins.in each sec. 5 ft.dist.; and raise a mound of earth 4 ft. base, 2 ft.high W.of cor.

Land, level.

Soil, alkali; 4th rate.

No timber.

40.00

80.00

South bet.secs.31 and 36.

Over level alkali land.

Difference between measuremnt of 40.00 chs.by two sets of chainmen is 4 lks.; position of middle point By lst set 39.98 chs.

By 2d set 40.02 chs., the mean of which is

Deposit a quart of charcoal 12 ins.in the ground, for  $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor. 4 ft.dist.; and raise a mound of earth 3 ft. base, la ft. high over deposit. ... In S.pit drive a pine stake 2 ft.long, 2-ins.sq., 12

ins.in the ground, marked

½ S 36 on W.face, and 31 on E.face. Difference between measurement of 80.00 chs. by two

sets of chainmen is 4 lks.; position of middle point

By 1st set 80.02 chs.

By 2d set 79.98 chs., the mean of which is Set a pine post 3 ft.long, # ins.sq., with quart of

charcoal, 24 ins.in the ground, for cor.of Tps.2 and

3 S, Rs.16 and 17 W.; marked

T 2 S S 31 on NE.

R 16 W S 6 on SE.

T 3 S S 1 on SW., and

R 17 W S 36 on NW. face, with 6 notches on each edge; dig pits 24 x 24 x 12 ins.on each line N., E. -7-

GUIDE MERIDIAN TP.2 S., BETWEEN RS.16 and 17 W.

Chains. and W.4/ft., and S.of post 8 ft.dist.; and raise a mound of earth 5 ft.base, 21 ft.high S.of cor.

Land, level.

Soil, alkali; 4th rate.

No timber.

Sept 220, 1908.

For general description see notes of subdivision of Tp.2 S., R. 17 W.

Robert E. L. Callied
U.S. Deputy Surveyor.

# Volume # R0346

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**PAGE** 

#### FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

### LIST OF NAMES.

A list of the names of the individuals employed by Robert E.L.Collier
rking the lines and corners described in the foregoing field notes of the survey of the Guide Me-
ian Township 2 South, between Rs.16 and 17 W.or the Salt Lake Base I Meridian, Utah,
owing the respective capacities in which they acted:
Ralph Gentry, Chainman, David Sharp Jr., Chainman.
Robt, T. Collier, Chainman, David Rodger, Chainman.
, Moundman.
R.Harold Browne , Moundman.
Ralph M. Wind , Flagman.
FINAL OATH OF ASSISTANTS.
We hereby certify that we assisted Robert E.L.Collier
, United States Deputy Surveyor, in surveying all
ose parts or portions of the Guide Meridian Township 2 South, between Rs.16 and
West
•
Salt Lake
State Utah Utah
Base and meridian, State Utah , which are represented
the foregoing field notes as having been surveyed by him and under his direction; and that said survey s been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
rner monuments established, according to the instructions furnished by the United States Surveyor
eneral for Utah.
Ralph Genting David Sharp J., Chainman.
Robi J. Collier. Dand Today , Chainman.
R. Harold Browne Moundman.
, Moundman.
, Axman.
, Aoman.
Ralph M. Uliuf, Flagman.
ibscribed and sworn to before me this
day of October, 1908 Veneral Markenen
OCCOCCO DE HEAL OF COCCOCCO DE HEAL OF COCCOCCO DE LA COCCOCCOCCO DE LA COCCOCCO CO DE LA COCCOCCO DE LA COCCOCCOCCO DE LA COCCOCCOCCO DE LA COCCOCCOCCO DE LA COCCOCCOCCO DE LA COCCOCCOCCOCCOCCO DE LA COCCOCCOCCO DE LA COCCOCCOCCO DE LA COCCOCCOCCOCCOCCOCCO DE LA COCCOCCOCCOCCOCCOCCOCCO DE

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### FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

		ايول پارس اور
I, Robert E.L.Collier		Inited States Deputy Surveyor, da
solemnly swear that, in pursuance of a contra	ct received from	Thomas Hull
United States Surveyor General for	utan	, bearing date of the
5th day of Margh	, 190 8, I have wel	l, faithfully, and truly, in my own
proper person, and in strict conformity with		
General for U tah		
United States, surveyed all those parts or por	tions of the Guide	Meridian Township No.
2 South, between Ranges 16 and		
and meridian, in the Stat	e of Utah	which are represented in th
foregoing field notes as having been surveyed		<del>-</del>
swear that all the corners of said survey have		· · · · · · · · · · · · · · · · · · ·
the Manual of Surveying Instructions, and the	<del>-</del>	-
General for Utah and	_	
the foregoing are the original field notes of su		solibod in the held hous, and
		,
		E. R. Callin
	Robert	6. h. Called
•		United States Deputy Surveyor
Subscribed by said Robert E.L.Collier	and arrown to hafe	ma ma )
•	•	re me
this 12th day of October	, 190 6	<u></u>
	th	omaskeel
000000 0 Seal 0		
000000	U <u>.S.S</u>	urveyor-General
<u>-</u>		for Utah.
· AF	PPROVAL.	
OFFICE OF THE UNITI	ED STATES SURVEYOR	GENERAL,
	Salt Lake City.	Utah, January 21., 1909.
The foregoing field notes of the survey of	· <del>-</del>	dian Township No.2
South, between Ranger 16 and	17 West of the S	alt Lake Base and Me-
ridian, Utah,		
	******	
		·
executed by Robert E.1	L.Collier	•
under his contract No. 301, dated		, 190 8, having
critically examined, and the necessary correc	tions and explanations n	nade, the said field notes, and the
surveys they describe, are hereby approved.		
	. Ino	maskell_
		United States Surveyor General.
I certify that the foregoing transcript of	f the field notes of the sh	ave-described surveys in
		iginal notes on file in this office.
, , ,	record cobleg from one or	-Samue Moves on the in this office.
,	\$	United States Surveyor General.

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B00K A-346

<u>.j.</u>	FIELD NOTES OF THE SURVEY OF THE	OCT M. 1908
	S.Q.U.T.H.B.O.U.N.D.A.R.Y	
	. O F	
	TOWNSHIP NO. 2 SOUTH	
	RANGE NO. 17 WEST	
- '		
•	SALT LAKE BASE AND	
,	AS SURVEYED BY	
Robert E.L	.Collier, United	States Deputy Surveyor,
ıder his Contract No.	301 dated March 5	, <i>190</i> 8
	September 20,	
immari complated		

irvey completed September 20,

5-78-52

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#### NAMES AND DUTIES OF ASSISTANTS.

		,
	Ralph Gentry,	Chainman.
	David Sharp Jr.,	Chainman.
	R.Harold Browne,	Houndman,
	Ralph M.Wind,	Flagman.
Por preliminary	afridavits see book	"C" T. 1 H., R. 19 W.
		· · · · · · · · · · · · · · · · · · ·
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### INDEX DIAGRAM.

•	Town	iship 2 Sc	uth	, Range	L7 West	
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	30	29	28	27	26	25
	81	32	88	. 84	85	86
•	7	9	2	3	4	14

Meanders Page.....

### PRELIMINARY OATHS OF ASSISTANTS.

WE,	and
do solemnly swear that we will well and faithf	fully execute the duties of chainmen; that we will level
chain upon even and uneven ground, and plumb	b the tally pins, either by sticking or dropping the same; +
we will report the true distances to all notable	e objects, and the true lengths of all lines that we assist
measuring, to the best of our skill and ability, a	and in accordance with instructions given us, in the survey
	, Chainm
	٠,
	, Chainm
Subscribed and sworn to before me this	)
day of, 190	
, ot,	,
V SEAL C	
代文文文文章	
WE,	and
	aly perform the duties of moundmen in the estab sl
	on us, to the best of our skill and ability, in the survey
	, Moundm
	, mountain
	, Mound
Subscribed and sworn to before me this	)
	· · · · · · · · · · · · · · · · · · ·
day of, 190	)
ACCEPTANCE OF THE PARTY OF THE	
V SEAL	
	and
	perform the duties of axmen in the establishment of $c_{C}$
and other duties, according to instructions give	en us, to the best of our skill and ability, in the survey
	·
	, Axm
	, A&m
Subscribed and sworn to before me this	, en en en en en en en en en en en en en
day of, 190	)
Grand-drawns	
SPATA	
	***************************************
I,	do solemnly swear that I will well and
perform the duties of flagman according to inst	tructions given me, to the best of my skill and ability, in
survey of	
***************************************	
	F'
	·
Subscribed and sworn to before me this	}
day of, 190	)
gravová	
1 Sin 1	P
	Commence of the second of the

	SOUTH DOUBLANT I. & S., N. I. W.
4	
Chains.	Survey commenced Sept.20, 1908, and executed with the
	instrument described in book "A" of this survey.
	From the cor.of Tps.2 and 3 S., Rs.16 and 17 W., es-
,	tablished by myself this day, and heretofore de-
• :	scribed, I run
	West on a random line along S.bdy.of Tp., setting tem-
, ,	porary 1/4 sec. and sec. cors. at intervals of 40.00 chs.;
	and at 47852 chs. fall 44 lks.N.of the cor.of Tps.2
	and 3 S., Rs.17 and 18 W., established by myself and
	heretofore described. The falling answers to a cor-
e - 15/	rection of 0° 03'N.or 7 iks.S.per mile, counting from
	the S.E.cor.of the township; therefore I run
	N.89° 57'E.bet.secs.6 and 31,
	Over level alkali land.
38.52	Deposit a quart of charcoal 12 ins.in the ground for
	表 sec.cor.; dig pits 18 x 18 x 12 ins. and w.of
	cor. 4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.
	base, light.high over deposit.
	In g.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
	ins.in the ground, marked
	½ S 31 on N. and 6 on S. face.
78.52	Set a pine post 3 ft.long, 4 ins.sq., with quart of
,	charcoal, 24 ins.in the ground, for cor.of secs.5,6,
	31, and 32, marked
	T 2 S S 32 on NE.
	R 17 W S 5 on SE.
	T 3 S S 6 on SW., and
	s 31 on NW.face, with 1 notch on W. and 5 notches
2	on E.edge; dig pits 18 x 18 x 12 ins.in each sec. $5\frac{1}{2}$
	Lift.dist., and raise a mound of earth 4 ft.base, 2
	ft.high W.of cor.
	Land, level.
F /	Soil, alkali; 4th rate.

No timber.

N.89° 57'E.bet.secs.5 and 32, Over level alkali land. Deposit a quart of charcoal 12 ins.in the ground, for 1 sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.4 ft.dist.; and raise a mound of earth 32 ft. base,  $1\frac{1}{E}$  ft.high over deposit. In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked  $\frac{1}{4}$  S 32 on N. face, and 5 on S. face. Set a pine post 3 ft.long, 4 ins.sq., with quart of 80.00 chardoal, 24 ins.in the ground, for cor.of secs.4,5, 32 and 33, marked T 2 S S 33 on NE. R 17 W S 4 on SE. T 3 S S 5 on SW., and S 32 on NW.face, with 2 notches on W. and 4 notches on E.edge; dig pits 18 x 18 x 12 ins.in each sec. 4 ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high W.of cor. Land, level. Soil, alkali; 4th rate. No timber. N.89° 57'E.bet.secs.4 and 33, Over levěl alkali land. ... Deposit a quart of charcoal 12 ins.in the ground for 40.00 \$ sec.cor. dig pits 18 x 18 x 12 ins.E. and W.of cor. 4 ft.dist., and raise a mound of earth 32 ft.base, 15 ft.high over deposit. In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins, in the ground, marked 1 S 33 on M. face, and 4 on S. face.

Set a pine post 3 ft.long, 4 ins.sq., w

g0.00

Chains charcoal, 24 ins.in the ground, for cor.of secs.3,4,53 and 34, marked T 2 S S 34 on NE. R 17 W S 3 on SE. T 3 S S 4 on SW., and S 33 on NW.fee; with 3 notches on E. and W.edges; dig pits 18 x 18 x 12 ins.in each sec. 52 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high W.of cor. Land, level. Soil, alkali; 4th rate. No timber. N.89° 57'E.bet.secs.3 and 34, Over level alkali land. Deposit a quart of charcoal 12 ins.in the ground, for 40.00  $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of oor.4 ft.dist.; and raise a mound of earth 32 ft. base, la ft.high over deposit. In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

½ S 34 on N. face, and 3 on S. face.

Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for cor.of secs.2,3, 34, and 35, marked

T 2 S S 35 on NE.
R 17 W S 2 on SE.

80.00

T 3 S S 3 on SW., and S 34 on NW.face, with 2 notches on E. and 4 notch-

es on W.edge; dig pits 15 x 15 x 12 ins.in each sec. 52 ft.dist.; and raise a mound of earth 4 ft.base, 2

ft.high W.of cor.

Soil, alkali; 4th rate.

Land, level.

==		-
	Chains	No timber.
		N.89° 57'E.bet.secs.2 and 35,
		Over level alkali land.
	40.00	Deposit a quart of charcoal 12 ins.in the ground, for
	.,	$\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of
	,	cor.4 ft.dist.; and raise a mound of earth 3½ ft.base
		1½ ft.high over deposit.
		In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
		ins.in the ground, marked
		$\frac{1}{4}$ S 35 on N. face, and 2 on S. face.
	80.00	Set a pine post 3 ft.long, 4 ins.sq., with quart of
		charcoal, 24 ins.in the ground, for cor.of secs.1,2,
		35, and 36, marked
		T 2 S S 36 on NE.
		R 17 W S 1 on SE.
	,	T 3 S S 2 on SW., and
		S 35 on NW.face, with 1 notch on E. and 5 notches
	:	on W.edge; dig pits 18 x 18 x 12 ins.in each sec. $5\frac{1}{2}$
	:	ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.
		high W.of cor.
		Land, level.
		Soil, alkali; 4th rate.
		No timber.
		N.89° 57'E.bet.secs.1 and 36,
		Over level alkali land.
	40.00	Deposit a quart of charcoal 12 ins. in the ground, for $\frac{1}{4}$
		sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.
		4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$
		ft.high over deposit.
		In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
- 1	1	. • •

Chains. ins.in the ground, marked 1 S 36 on N.face, and I on S.face. The cor.of Tps.2 and 3 S., Rs.16 and 17 W. g0.00

> Land, level. Soil, alkali; 4th rate.

No timber.

Sept.20, 1908.

For general description see notes of the subdivision of this township.

> BOUNDARIES OF T. 2 S., R. 17 W. LATITUDES, DEPARTURES, AND CLOSING ERPORS.

True Dist. Latitudes Departures.

Line Designated Bearing

N. S. E. chs. chs. 477.52 North Boundary East 480.00 ..... 480.00 ..... East Boundary South

s.89°57'W. 478.52'..... .44 ,,.... 478.52 South Boundary North 480.00 480.00 ..... West Boundary .63 Convergency

480.00 480.44 478.15 478.52 Totals

Error in lat. and dep.

480.00 478.15 •37 £

Robert E. R. Called U.S.Deputy Surveyor.

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# **PAGE**

#### FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

#### LIST OF NAMES.

A list of the names of the individuals employed	by Robert E.L.Collier	
, United States Dep	outy Surveyor, to assist in running	, measuring, and
rking the lines and corners described in the foregoin 19 W.; S.Bdy.T. 1 S., R. 19 W.; S. Bdy.T.2.S., R. 17 W.of the Salt Lal	ng field notes of the survey of Neand E.Bdys.T. 2 S., R. Ke Base and Meridian, U	Bdy.T. 1 N. 18 W.; and tah
owing the respective capacities in which they acted:		
	Ralph Gentry	, Chainman.
	David Sharp Jr.	, Chainman.
	R.Harold Browne	· , Moundman.
		, Moundman.
·		
FINAL OATH OF		
We hereby certify that we assisted Robe	ert E.L.Collier	
	•	, in surveying all
ose parts or portions of the N.Bdy.T. 1 N.,		
and F.Bdys.T. 2 S., R. 18 W.; and		
ro Pago and Mamidian		
	of tl	
meridian, State		•
the foregoing field notes as having been surveyed by s been in all respects, to the best of our knowledgrner monuments established, according to the inst	y him and under his direction; and e and belief, well and faithfully s	that said survey urveyed, and the
eneral for Utah.	0.	•
	Ralph Genly David Sharp R Harold Brow	Chainman.  Chainman.  Moundman.
		, Moundman.
		$\dots$ , $Axman$ .
,		, Axman.
	Ralph W UU	Lufrlagman.
bscribed and sworn to before me this day of October, 1905	Buy Mas	Herson,
6-161	1 Olfan	( Public)

### FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Robert E.L.Collier , United States Deputy Surveyor, do
solemnly swear that, in pursuance of a contract received from Thomas Hull Utah
United States Surveyor General for, bearing date of the
proper person, and in strict conformity with the instructions furnished by the United States Surveyor
General for, the Manual of Surveying Instructions, and the laws of the
United States, surveyed all those parts or portions of N.Bdy.T. 1 N., R. 19 W.: S.Bdy.T.
1 S., R. 19 W.; S. and E.Bdys.T. 2 S., R. 18 W.; and S.Bdy.T. 2 S., R.
17 W.C
of the Salt Lake
Base and meridian, in the State of Utah , which are represented in the in books C.E.H. and K. foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly
foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly
swear that all the corners of said survey have been established and perpetuated in strict accordance with
the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor
General forand in the specific manner described in the field notes, and that
the foregoing are the original field notes of such survey.
Rubert E. L. Callied
United States Deputy Surveyor.
Subscribed by said Robert E.L.Collier, and sworn to before me)
this 12th day of October , 1908.
this 16 th day of 0000001, 1900
[ Momaskill
U.S.Surveyor-General
for Utah.  APPROVAL.
OFFICE OF THE UNITED STATES SURVEYOR GENERAL,
Salt Lake City, Utah, January 21 , 1909
The foregoing field notes of the survey of the South Boundary of Township No. 2
South, Range No. 17 West of the Salt bake Base and Meridian, Utah.
unders, and the most of the bell years boss and myrrellings willy
executed byRobert E.L.Collier
under his contract No. 301 , dated March 5, ,190 8, having been
critically examined, and the necessary corrections and explanations malle, the said field notes, and the
surveys they describe, are hereby approved.
Thomas bull
United States Surveyor General.
I certify that the foregoing transcript of the field notes of the above-described surveys in
has been correctly copied from the original notes on file in this office.
United States Surveyor General.

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BOOK A-346

### FIELD NOTES

OF THE SURVEY OF THE SUBDIVISION . OF TOWNSHIP NO. 2 SOUTH, \_\_\_\_\_ RANGE NO.17 WEST Of the \_\_\_\_\_\_SALT\_LAKE BASE AND \_\_\_\_\_Meridian, U T A H, AS SURVEYED BY Robert E.L.Collier , United States Deputy Surveyor,

der his Contract No. 301 , dated March 5, 190 8. rvey commenced \_\_\_\_\_\_ Sept.20, \_\_\_\_\_, 190 8,

rvey completed Sept.23, 1908.

6-151

59-69-78

#### NAMES AND DUTIES OF ASSISTANTS.

Ralph Ger	try,	Chainman.	***********
David Sha	rp Jr.	Chainman.	, 
R.Harold	Browne,	Moundman.	
Ralph M.V	ind,	Flagman.	
For preliminary atliday	its see bo	ok "D" T. 1 H., R. 1	ย <b>`พ</b> .
		<del></del>	
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B00K A-346

### INDEX DIAGRAM.

T	ownsh	ip	2Sou	ith		Range	<i>3</i>	17 WC	et		
	40	ı	31	ł	23	п	15	2	ε	1	
40		<u> 39</u>		30		23		15		7	
\$	39	8	29	9	22	ţo	14	11	7	12	
38		38		55		21_		13		6	
18	- 37	17	SE	tn	20	16	12	14	5	13	
37		36		27		20		12		5	
19 35		#0 34	27	#1 26	19	#: 18	11	:: 11	**************************************	24 3	
30	314	20	25	##	18	20	10	ro	2	25	tra-range
33		33		25_		17_		9		2	
#I	32	#:	S)+	13	16	24	9	86	1	na	

Meanders Page.....

### PRELIMINARY OATHS OF ASSISTANTS.

Wr	and
do solemnly swear that we will well and faithful chain upon even and uneven ground, and plumb to we will report the true distances to all notable of	lly execute the duties of chainmen; that we will level the the tally pins, either by sticking or dropping the same; that objects, and the true lengths of all lines that we assist d in accordance with instructions given us, in the survey of
	, , , , , , , , , , , , , , , , , , ,
	, Chainman
	, Chainmar
•	
day of, 190	······································
day of, 100	
SEAL (4)	
	u u
WE,	y perform the duties of moundmen in the establishmon
•	us, to the best of our skill and ability, in the survey
<u> </u>	
	1
	, Moundman
· -	, Moundma
Subscribed and sworn to before me this	
day of, 190	
	······
WE,	and
·	erform the duties of axmen in the establishment of
and other duties, according to instructions given	n us, to the best of our skill and ability, in the survey
	, Axma
·	, Awma
	,
Subscribed and sworn to before me this	
day of, 190	) 
SLAL	· ·
abula to tail	
	do solemnly swear that I will well and tru
	ructions given me, to the best of my skill and ability, in *
survey of	
	, Flagma
Subscribed and sworn to before me this	)
day of, 190	
Appropriate (	,
SEAL	·

#### SUBDIVISION OF T. 2 S., R. 17 W.

Chains. Survey commenced Sept.20, 1908, and executed with the instrument described in book "A" of this survey.

At the cor.of secs.1,2,35, and 36 on S.bdy.of Tp., established by myself and heretofore described, lat. 40° 35' 38" N.; long.113° 44' 01" W., at 7 h. 31 m. by my watch which is 3 m. slow of:1.m.t. I observe Polaris at eastern elongation, in accordance with instructions in the Manual, and mark a point in the line thus determined on a stake driven in the ground

Sept.21, at 7 h. 30 m.a.m.I lay off the azimuth of Polaris 1° 34' to the west and mark the meridian thus determined by cutting a mark on a stone firmly set in the ground west of the mark established last night; the magnetic bearing of the true meridian is N.16° 0'W., which gives the mag.decl.15° 0'E.

Thence I run

40.00

80.00

4 chs.N.of my station.

. Over level alkali land. Deposit a quart of charcoal 12 ins.in the ground for  $\frac{1}{4}$ 

sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor. 4 ft.dist., and raise a mound of earth  $3\frac{1}{2}$  ft.base,

N.00 01 W bet. secs. 35 and 36,

1½ ft.high over deposit.
In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

ins.in the ground, marked

1 S 35 on W.face, and 36 on E.face.

Deposit a quart of charcoal 12 ins.in the ground, for cor.of secs.25,26,35, and 36; dig pits 18 x 18 x 12

ins.in each sec.4 ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

### -2-

	:	-2-
.*		CUMPATURATION OF THE STORE OF T
		SUBDIVISION OF T. 2 S., R. 17 W.
		m 2 g g 25 on NE
	Chains	• 1 2 3 3 2) (OII 103 •
	-	R 17.W S 36 on SE.
		S 35 on SW., and
	• 2	$S_3$ 26 on NW.fate, with 1 notch on S. and E.edges.
		Land, level.
		Soil, alkali; 4th rate.
		No timber.
	ı •	
		The cor.of secs.25,30,31, and 36 being plainly visible
		I run for said corner,
		N.89°55'E.on a random line bet.secs.25 and 36,
	40.00	Set temp. 1/4 sec.cor.
;	79.98	Intersect E.bdy.of Tp.at the cor.of secs.25,30,31, and
	1 ,	36, established by myself and heretofore described.
	:	Thence I run
	, ,,	S.89° 55'W.on true line bet.secs.25 and 36,
		Over level alkali land.
	39.99	Deposit a quart of charcoal 12 ins. in the ground, for
		$\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x, 12 ins.E. and W.of cor.
		4 ft.dist., and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$
		ft.high over deposit.
		In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
	,	ins.in the ground, marked
	` '	$\frac{1}{4}$ S 25 on N.face, and 36 on S.face.
	79.98	The cor. of secs. 25, 26, 35, and 36.
	17.70	
		Land, level.
		Soil, alkali; 4th rate.
	^	No timber.
		the state of the s

40.00 Deposit a quart of charcoal 12 ins.in the ground for

Over level alkali land.

. N.00 01 W.bet .secs.25 and 26, 4

SUBDIVISION OF T. 2 S. R. 1 W.

Chains  $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft. bæe,  $1\frac{1}{2}$  ft.high over deposit.

In s.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

1 S 26 on W. face, and 25 on E. face.

80.00 Deposit a quart of charcoal 12 ins.in the ground, for cor.of secs. 23,24,25, and 26; dig pits 18 x 18 x 12

ins.in each sec.4 ft.dist.; and raise a mound of earth

4 ft.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12

ins.in the ground, marked T 2 S S 24 on NE.

R 17 W S 25 on SE.

s 26 on SW., and

S 23 on NW.fcce, with I notch on E. and 2 notches on S.edges.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor. of secs. 19,24,25, and 30 on E.bdy. of Tp. being plainly visible, I run for said corner,

N.89° 56'E.on a random line bet.secs.24 and 25

40.00 Set temp. 4 sec.cor.

79.96 Intersect E.bdy.of Tp.at the cor.of secs.19,24,25, and

30, established by myself and heretofore described.

Thence I run

s.89° 56'W.on a true line bet.secs.24 and 25,

Over level alkali land.

39.98 Deposit a quart of charcoal 12 ins.in the ground, for pec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.

4 ft.dist., and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$ 

#### SUBDIVISION OF T. 2 S., R. 17 W.

ft.high over deposít. Chains

> In E.pit drive a pine stake 2 ft.long, 2 ins.sq., ins.in the ground, marked

 $\frac{1}{4}$  S 24 on N. face, and 25 on S. face.

The cor. of secs. 23, 24, 25, and 26.

Soil, alkali; 4th rate.

No timber.

Land, level.

79.96

40.00

80.00

N.00 01'W.bet.secs.23 and 24,

Over level alkali land.

ft.high over deposit.

Deposit a quart of charcoal 12 ins.in the ground for  $\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.

4 ft.dist., and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$ 

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 in

ins.in the ground, marked

 $\frac{1}{4}$ S 23 on W.fæe, and 24 on E.face.

Deposit a quart of charcoal 12 ins.in the ground, for

cor.of secs.13,14,23, and 24; dig pits 18 x 18  $\times$  12

ins.in each sec.4 ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ....

ins.in the ground marked T 2 S S 13 on NE.

R 17 W S 24 on SE.

S 23 on SW., and

S 14 on NW.face, with 1 notch on E. and 3 notches on S.edge.

Land, level.

Soil, alkali; 4th rate.

No timber.

#### SUBDIVISION OF T. 2.S., R. 17 W.

The cor. of secs. 13,18,19 and 24 being plainly visible Chains I run for said corner, ware

N.69° 56'E.on a random line bet.secs.13 and 24,

Set temp. 1 sec. cor.

40.00

39.99

79.98

40.00

Intersect E.bdy.of Tp.at the cor.of secs.13,18,19, 79.98 and 24, established by myself and heretofore de-c

scribed. Thence I run

s.go 56'w.on true line bet.secs.13 and 24,

Over level alkali land.

Beposit a quart of charcoal 12 ins.in the ground, for

 $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of

cor.4 ft.dist., and raise a mound of earth 32 ft.base

 $1\frac{1}{2}$  ft.high over deposit. . . . In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

ins.in the ground, marked

1 S 13 on N.fæ.e, and 24 on S.face.

The cor.of secs.13,14,23, and 24. Land, level.

Soil, alkali; 4th rate.

No timber.

 $N.0^{\circ}$  Ol'W.bet.secs.13 and 14,

Over level alkali land.

Deposit a quart of charcoal 12 ins.in the ground for  $\frac{1}{4}$ sec.cor.; dig.pits 18.x 18 x 12 ins.N. and S.of cor.

4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base,

1½ ft.high over deposit. In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

ins.in the ground, marked

1 S 14 on W.face, and 13 on E.face.

Deposit a quart of charcoal 12 ins.in the ground, for 80.00 cor.of secs.,11,12,15, and 14; dig pits 18 x 18  $\times$  12

ins.in each sec.4 ft.dist., and raise a mound of earth & ft.base 2 ft.high over deposit.

-	The second section	the second secon
	Chains.	In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12
		ins.in the ground, marked
		T 2 S S 12 on NE.
		R 17 W S 13 on S E.
		s 14 on SW., and
		S 11 on NW.face, with 1 notch on E. and 4 notches
		on S.edge.
		Land, level.
		Soil, alkali; 4th rate.
	,	No timber.
	*	and the second s
		The cor. of secs. 7,12,13, and 18 being plainly visible
	,	I run for said corner,
		N.89° 56'E.on a random line bet.secs.12 and 13
	40.00	Set temp. 1/4 sec.cor.
	<b>೮೦.</b> ೦೦	Intersect E.bdy.of Tp.at the cor.of secs. 7,12,13, and
		18, established by myself and heretofore described.
		Thence I run
		S.89° 56'W.on true line bet.secs.12 and 13,
		Over level alkali land.
	40.00	Deposit a quart of charcoal 12 ins.in the ground for
		$\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of
		cor.4 rt.dist., and raise a mound of earth 31 ft.
,	,	base, light.high over deposit.
		In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
	,	ins.in the ground, marked
		$\frac{1}{4}$ S 12 on N.face, and 13 on S.face.
	80.00	The cor.of secs.11,12,13, and 14.
		Land, level.
		Soil, alkali; 4th rate.
	;	No timber.
į.	\$	•

SUBDIVISION OF The 2 S., R. 17 War at a N:00 01 W.bet.secs.11 and 12,4 % Chains. over level alkali land. 40.00 Deposit a quart of charcoal 12 ins.in the ground, for 1 sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor ., | . 4 ft.dist., and raise a mound of earth 31 ft.base, 11 ft.high over deposit. In Sepit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked 1 S 11 on W.face, and 12 on E.face. Deposit a quart of charcoal 12 ins.in the ground for 80.00 cor.of secs.1,2,11, and 12; dig pits 18 x 18  $x^{'}$  12 ins.in each sec.4 ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high over deposit. In S.E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked T 2 S Si on NE. . R 17 W S 12 on SE. ... S 11 on SW., and S 2 on NW. face, with 1 notch on E. and 5 notches on S.edge. Land, level. Soil, alkali; 4th rate. No timber. The cor. of secs.1, 6, 7, and 12 on E.bdy. of Tp.being plainly visible, I run for said corner, N.59° 56'E.on a random line bet.secs.1 and 12, Set temp. d sec.cor. 40.00 Intersect N. and S.line at the cor. of secs. 1,6,7, and 80.00 12, established bymyself and heretofore described.

Thence I run

S 89° 56'W.on true line bet.secs.l and 12,

Over level alkali land.

		The state of the s
	Chains 40.00	Deposit a quart of charcoal 12 ins.in the ground for
		½ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor
		4 ft.dist., and raise a mound of earth 3½ ft.base,
-		1½ ft.high över deposit.
	•	In Es.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
		ins.in the ground, marked
	4	$\frac{1}{4}$ S 1 on N.face, and 12 on S.face.
	80.00	The cor. of secs.1,2,11, and 12.
		Land, level.
		Soil, alkali; 4th rate.
	,	No timber.
		The cor.of secs.1,2,35, and 36 on N.bdy.of Tp.being
		plainly visible, I run for said corner,
		N.O° 01'W'bet.secs.1 and 2, on random line,
	40.00	Set temp. 1/4 sec.cor.
	80.00	Intersect N.bdy.of Tp. at the cor.of secs.1,2,35, and
		36, which is a glass deposit with pits and mound and
		stake 2 ins.sq., 12 ins.above ground, marked and wit-
-		hessed as described by the surveyor general.
-		Thence I run
		S.0° 01'E'.bet.secs.1 and 2 on true line,
		Over level alkali land,
	40.00	Deposit a quart of charcoal 12 ins.in the ground for $\frac{1}{4}$
-		sec.cor.;dig pits 18 x 18 x.12 ins.N. and S.of cor.
-		4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$
mark water and and		ft high over deposit.
		In S.pito drive a pine stake 2 ft.long, 2 ins.sq., 12
-		ins.in the ground, marked
-	,	½ S 2 on W. face, and 1 on E. face.
	g0.00	The cor.of secs.1,2,11, and 12.
-		Land, level a
		Soil, alkali; 4thrate. No timber.
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#### SUBDIVISION OF T. 2 S., R. 17 W.

Chains. From the cor.of secs. 2,3,34, and 35.on S.bdy.of Tp., established by myself and heretofore described, I run

N.00 02 W.bet.secs.34 and 35.

Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins.in the ground, for 1 sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.4 ft.dist.; and raise a mound of earth 32 ft. base, 1} ft.high over deposit. .

> In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

1 S 34 on W.face, and 35 on E.face.

80.00 Deposit a quart of charcoal 12 ins.in the ground, for cor.of secs.26,27,34, and 35; dig pits  $18 \times 18 \times 12$ ins.in each sec.4 ft.dist.; and raise a mound of

> earth 4 ft.base, 2 ft.high over deposit. In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12

ins.in the ground, marked

T 2 S S 26 on NE.

R 17 W S 35 on SE.

S 34 on SW., and

S 27 on NW. face, with 2 notches on E. and 1 notch

on S.edge.

Land, level.

Soil, alkali; 4th rate.

N.89° 56'E.on a random line bet.secs.26 and 35,

40.00 Set temp. \frac{1}{2} sec.cor.

No timber.

Intersect N. and S.line at the cor. of secs. 25, 26, 35, 80.00

and 36. Thence I run

Over level alkali land.

S.89° 56'W.on a true line bet.secs.26 and 35,

Deposit a quart of charcoal 12 ins.in the ground, for 40.00

Chains 1 sec.cor.; dig pits 18 x 18 x 12 inst.E. and W.of cor. 4 ft.dist.; and raise a mound of earth 31 ft. base, ly ft.high over deposit. In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked 1 S 26 on N. face, and 35 on S. face. The cor. of secs. 26, 27,  $34^{\circ}$ , and 35. 80.00 Land, level. Soil, alkali: 4th rate. No timber. N.0° 02'W.bet.secs.26 and 27, Over level alkali land. 40.00 Deposit a quart of charcoal 12 ins.in the ground, for 1 sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor. 4 ft.dist.; and raise a mound of earth 3 ft.base 1 ft. high over deposit. In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked 1 S 27 on W.face, and 26 on E.face. 80.00 Deposit a quart of charcoal 12 ins.in the ground, for cor.of secs.22,23,26, and 27; dig pits 18 x 18 x 12 ins. in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit. In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked T 2 S S 23 on NE. R 17 W S 26 on SF. S 27 on SW., and S 22 on NW. face, with 2 notches on S. and E.edges.

Land, level. 🧳

Soil, alkali; 4th rate.

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#### SUBDIVISION OF T. 2.S., R. 17 W.

140.00

80.00

40.00

80.00

40.00

80.00

Chains. The cor.of secs.23,24,25, and 26 being plainly visible

I run for said corner

N.59° 56'E.on a random line bet.secs.23 and 26 Set temp. 2 sec.cor.
Intersect N. and S.line at the cor.ofsecs.23,24,25,

and 26. Thence I run

S.89° 56'W.on true line bet.secs.23 and 26,

Over level alkali land

Deposit a quart of charcoal 12 ins.in the ground for \( \frac{1}{4} \)

sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$  ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

ins.in the ground, marked 2 S 23 on N.face, and 26 on S.face.

The cor.of secs.22,23,26, and 27.

Soil, alkali; 4th rate.

Land, level.

No timber.

N.0° 02'W.bet.secs.22 and 23, Over level alkali land.

ft.high over deposit.

Deposit a quart of charcoal 12 ins.in the ground, for  $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor. 4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$ 

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

1 S 22 on W.face, and 23 on E.face.

Deposit a quart of charcoal 12 ins.in the ground for cor.ofsecs.14,15,22, and 23; dig pits 18 x 18 x 12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, 32 ft.high over deposit.

	1	SUBDIVISION OF T. 2.S., R. I/ W.
	Chains	In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12
		ins.in the ground, marked
		T2SS14 on NE.
		R 17 W S 23 on SE.
		S 22 on SW., and
	-	S 15 on NW. face, with 2 notches on E. and 4 notch-
		es on S.edge.
		Land, level.
		Soil, alkali; 4th rate.
		No timber.
	1	
		The cor.of secs.13,14,23, and 24 being plainly visible
		I run for said corner,
		N.89° 56 E.on a random line bet.secs.14 and 23,
	40.00	Set temp. $\frac{1}{4}$ sec. cor.
	79.96	Intersect N. and S.line at the cor. of secs. 13,14,23,
		and 24. Thence I run
		S.89° 56'W.on true line bet.secs.14 and 23,
		Over level alkali land.
	39.98	Deposit a quart of charcoal 12 ins.in the ground, for
		$\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of
		cor.4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.
		hora a 11 st led als arran demonds
		In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12
,		ing in the ground members
		½ S 14 on N. face, and 23 on S. face.
	70.06	
	79.96	The cor.ofs ecs.14,15,22, and 23.
		Land, level.
	An description of the Control of the	Soil, alkali; 4th rate.
-	haquin salecture an	No timber.

N.0° 02'W.bet.secs.14 and 15,  $\sim$ 

Chains. Over level alkali land.

Deposit a quart of charcoal 12 ins.in the ground, for  $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.4 ft.dist. and raise a mound of earth  $3\frac{1}{2}$  ft.base  $1\frac{1}{2}$  ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

 $\frac{1}{4}$  S 15 on W. face, and 14 on E. face.

80.00 Deposit a quart of charcoal 12 ins.in the ground for

cor.ofsecs.10,11,14, $^{\vee}$  and 15; dig pits 18 x 18 x 12 ins.in each sec.4 ft.dist.; and raise a mound of

earth 4 ft.base 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12

ins.in the ground, marked

T 2 S S ll on NE.

R 17 W S 14 on SE.

S 15 on SW., and

s 10 on NW.face; with 2 notches on  $\dot{E}$ . and  $\ddot{4}$  notche on S.edge.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor.of secs.11,12,13, and 14 being plainly visible

I run for said corner

N.89° 58 E.on a random line bet.secs.11 and 14,

40.00 Set temp.  $\frac{1}{4}$  sec.cor.

79.96 Intersect N. and S.line at the cor. of secs. 11,12,13,

and 14. Thence I run

8.89° 58 W.on true line bet.secs.ll and 14,

Over level alkali land.

39.98 Deposit a quart of charcoal 12 ins.in the ground, for \( \frac{1}{4} \)
sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.

SUBDIVISION OF T. 2 S. R. 17 W. 4 ft.dist., and raise a mound of earth 3 tt.base, 11 Chains , ft.high over deposit. In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked } S 11 on N.face, and 14 on S.face. The cor.of secs.10,11,14, and 15. 79.96 Land, level. Soil, alkali; 4th rate. No timber. . N.0° 02 W.bet.secs.10 and 11, Over level alkali land. 40.00 Deposit a quart of charcoal 12 ins.in the ground, for + sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor. 4 ft.dist., and raise a mound of earth 3 ft.base, 15 ft.high over deposit. In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked 1 S 10 on W.face, and 11 on E.face. 80.00 Deposit a quart of chargoal 12 ins.in the ground for cor.of secs.2,3,10, and 11; dig pits 18 x 18  $\times$  12 ins.in each sec.4 ft.dist., and raise a mound of

earth 4 ft.bse, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T2SS2 on NE.

R 17 W S'll on SE.

S 10 on SW., and

S 3 on NW.face, with 2 notches on E. and 5 notches on S.edge.

Land, level.

Soil, alkali; 4th rate.

No timber.

Chains. The cor.of secs.1,2,11, and 12 being plainly visible

I run for said corner

N.89°59'E.on a random line bet.secs.2 and 11,

40.00 Set temp. 4 sec.cor.

79.96 Intersect N. and S.line at the cor.of secs.1,2,11, and

12. Thence I run

S.89° 59'W.on a true line bet.secs.2 and 11, Over level alkali land.

Deposit a quart of charcoal 12 ins.in the ground, for large dig pits 18 x 18 x 12 ins.E. and W.of

cor.4 ft.dist.; and raise a mound of earth 32 ft.base 12 ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

 $\frac{1}{2}$  S:2 on N. face, and 11 on S. face.

The cor.of secs.2,3,10, and 11.

Land, level.

Soil, alkali; 4th rate.

No timber.

79.96

40.00

79.94.

The cor.of secs.2,3,34, and 35 on N.bdy.of Tp.being plainly visible, I run for said corner

N.0° 05'W.on random line bet.secs.2 and 3,

Set temp. 1 sec.cor.

Intersect N.bdy.of Tp.at the cor.of secs.2,3,34, and

35, which is a glass deposit, pits and mound of earth

with pine stake 2 ins.sq., 12 ins.above ground,
marked and Witnessed as described by the surveyor

general. Thence I run

S.0° 05'E.on true line bet.secs.2 and 3,

Over level alkali land.

39,94 Deposit a quart of charcoal 12 ins.in the ground, for  $\frac{1}{4}$ 

chains. sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.

4 ft.dist., and raise a mound of earth 32 ft.bæe,l2

ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

1 S 3 on W. face, and 2 on E. face.

79.94 The cor.of secs.2,3,10, and 11.

Land, level.

Soil, alkali; 4th rate.

No timber.

Sept.21: At the cor.of secs.3,4,33 and 34 on S.bdy.of

Tp. established by myself and heretofore described,

lat.40° 35' 38" N.; long.113° 46' 18" W.at.7h.27m.p.m.by

. Sept.21, 1908.

my: watch 3m.slow of Penetia observe Polaris: atiErelong. accordance with instructions in the Manual, and mark a point in the line thus determined on a stake driven

in the ground 4 chs.N.of my station.

Sept.22: At 7 h. 30 m.a.m.I.lay off the azimuth of Polaris 1° 34' to the west and mark the meridian thus determined by cutting a mark on a stone firmly set in the ground west of the point established last with

the ground west of the point established last night.

The magnetic bearing of the true meridian is N.17.45'W.

Which gives the mag.decl. 17°45'E.

Thence I run

40.00

N.0° 03'W.bet.secs.33 and 34,

Over level alkali land.

Deposit a quart of charcoal 12 ins.in the ground, for  $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor. 4 ft.dist., and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$  ft.high over deposit.

Chains In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

1 S 33 on W. face, and 34 on E. face.

Deposit a quart of charcoal 12 ins.in the ground, for cor.of secs.27,28,33, and 34; dig pits 18 x 18 x 12 ins.in each sec.4 ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T 2 S S 27 on NE.

R 17 W S 34 on SE.

S 33 on SW., and

S 28 on NW.face, with 1 notch on S. and 3 notches on E.edge.

Land, level.

Soil, alkali;4th rate.

No timber.

40.00

The cor.of secs.26,27,34, and 35 being plainly visible I run for said corner,

N.89° 55'E.on a random line bet.secs.27 and 34,

79.92 Intersect N. and S.line at the cor.of secs.26,27,34,

and 35. Thence I run

S.89° 55'W.on true line bet.secs.27 and 34,

Over level alkali land.

Set temp. dec.cor.

Deposit a quart of charcoal 12 ins.in the ground, for  $\frac{1}{2}$  sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor 4 ft.dist., and raise a mound of earth  $\frac{1}{2}$  ft.base,  $\frac{1}{2}$  ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

1 S 27 on N.face, and 34 on S.face.

Chains
79.92 The cor.of secs.27,28,33, and 34.
Land, level.
Soil, alkali; 4th rate.
No timber.

N.0° 03 W.bet.secs. 27 and 28,

Over level alkali land.

ft.high over deposit.

40.00 Deposit a quart of charcoal l2ins.in the ground, for  $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.

4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$ 

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

1 S 28 on W.face, and 27 on E.face.

Deposit a quart of charcoal 12 ins.in the ground for cor. of secs.21,22,27, and 25; dig pits 15 x 15 x 12 ins.

in each sec.4 ft.dist.; and raise a mound of earth 4

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12

ins.in the ground, marked

ft.base, 2 ft.high over deposit.

T 2 S S 22 on NE.

R 17 W  $\lesssim$  27 on SE. S 28 on SW., and

S 21 on NW. face, with 2 notches on S. and 3 notches

on S.edge.

Land, level.

80.00

Soil, alkali; 4 th rate.

No timber.

The cor. of secs. 22,23,26, and 27 being plainly visible

I run for said corner,

N.89° 55 E.on a random line bet.secs.22 and 27,

40.00 Set temp. 4 sec.cor.

79.94 Intersect N. and S.line at the cor. of secs. 22,23,26, and 27. Thence I run

S.89° 55. W. on true line bet. secs. 22 and 27,

Over level alkali land.

Jeposit a quart of charcoal 12 ins.in the ground, for  $\frac{1}{2}$  sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base  $1\frac{1}{2}$  ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

 $\frac{1}{4}$  S 22 on N. face, and 27 on S. face.

79.94 The cor.of secs.21,22,27, and 28.

Soil, alkali; 4th rate.

Land, level.

No timber.

N.0° 03'W.bet.secs.21 and 22,

Over level alkali land.

20.00 Leave alkali; enter salt land.

40.00 Deposit a quart of charcoal 12 ins.in the ground, for  $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.

4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base,

1½ ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

ins.in the ground, marked

 $\frac{1}{4}$  S 21 on W.face, and 22 on E.face. 42.00 Leave salt land; enter alkali land.

80.00 Deposit a quart of charcoal 12 ins. in the ground, for

cortof secs.15,16,21, and 22; dig pits 18 x 18  $\times$  12 instin each sec.4 ft.dist.; and raise a mound of

earth 4 ft.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12

ins.in the ground, marked

**33**℃

-2ő-<sup>/</sup>

SUBDIVISION OF T. 2-S. R. 17 W.

Chains. T 2 S S 15 on NE.

·R 17 W S 22 on SE.

# 21 on SW., and

S 16 on NW.face, with 3 notches on S. and E.edges.

Land, level.

Soil, alkali; 4th rate.

No timber.

40.00

39.98

79.96

The Gor; of secs. 14,15,22, and 23 being plainly visible

I run for said corner,

-N.89° 55'E.on a random-line bet.secs. 15 and 22,

Setatemp. d sec. corecad.

79.96 Intersect N. and S.line at the cor. of secs. 14,15,22, and

23. Thence I run

S.89° 55'W.on true line bet.secs.15 and 22,

Deposit a quart of charcoal 12 ins.in the ground, for

Over level alkali land.

 $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base

la ft.high over deposit.

ins.in the ground, marked

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

 $\frac{1}{4}$  S 15 on N.face, and 22 on S.face.

The cor. of secs. 15, 16, 21, and 22.

Land, level.

Soil, alkali; 4th rate.

No timber.

.

N.0°.03'W.bet.secs.15 and 16,3

Over level alkali land.

40.00 Deposit a quart of charcoal 12ins.in the ground, for  $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.

Chains. 4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$  ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

 $\frac{1}{4}$  S 16 on W.face, and 15 on E.face.

80.00 Deposit a quart of charcoal 12 ins.in the ground, for

cor.ofs ecs.9,10,15, and 16; dig pits 18 x 18  $\times$  12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

T, 2 S S 10 on NE.

R 17 W S 15 on SE.

S 16 on SW., and

S 9 on NW.face; with 3 notches on E. and 4 notches on S.edge.

Soil, alkali 4th rate.

No timber.

The cor.of secs. 10,11,14, and 15 being plainly visible, I run for said corner,

N.89°  $^{\checkmark}$ 55'E.on a random line bet.secs.10 and 15,

40.00 Set temp.  $\frac{1}{4}$  sec.cor.

79.98

Intersect N. and S.line at the cor.of secs.10,11,14,

and 15. Thence I run

S.89° 55'W.on a true line bet.secs.10 and 15,

Over level alkali land.

Deposit a quart of charcoal 12 ins.in the ground, for  $\frac{1}{2}$  sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.

base, 12 ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

SUBDIVISION OF T. 2 S., R. 17 W. chains ins.in the ground, marked A S 10 on N. face, and 15 on S. face. 79.98 The cor.of secs.9,10,15, and 16. Land, level. Soil, alkali; 4th rate. No timber. N.0° 03'W.bet.secs.9 and 10, Over level alkali land. Deposit a quart of charcoal 12 ins.in the ground, for 40.00  $\frac{1}{2}$  sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.4 ft.dist.; and raise a mound of earth 32 ft.base la ft.high over deposit. In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked  $\frac{1}{2}$  S 9 on W.face, and 10 on E.face. 80.00 Deposit a quart of charcoal 12 ins.in the ground, for cor. ofsecs. 3,4,9, and 10; dig pits 18 x 18 x 12 ins. in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit. In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked T 2 S S 3 on NE. R 17 W S 10 on SE. S 9 on SW., and

\$ \$ on NW.face; with 3 notches on E. and 5 notches on S.edge.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor. of secs. 2,3,10, and ll being plainly visible

Chains I run for said corner,

N.89° 50'E.on a random line bet.secs.3 and 10,

40.00 Set temp. sec.cor.

79.96 Intersect N. and S.line at the cor.of secs.2,3,10, and

11. Thence I run

S.89° 56'W.on a true line bet.secs.3 and 10, ...

Over level alkali flat.

39.98 Deposit a quart of charcoal 12 ins.in the ground, for

 $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.

base,  $1\frac{1}{2}$  ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq. 12 inss.

in the ground, marked

 $\frac{1}{4}$  S 3 on N. face, and 10 on S. face.

79.96 The cor. of secs. 3,4,9, and 10.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor.of secs.3,4,331, and 34 on N.bdy.of Tp.being plainly visible I run for said corner,

N.0.º 06 W.bet.secs.3 and 4, on random line

40.00 Set temp.  $\frac{1}{4}$  sec.cor.

79.94 Intersect N.bdy.of Tp.at the cor.of secs.3,4,33, and 34, which is a deposit of glass, with pits and mound and pine stake 2 ft.long, 2 ins.sq., 12 ins.above ground, marked and witnessed as described by the sur-

veyor general.

Thence I run

S.0° 06'H.bet.secs.3 and 4,

Over level alkali land.

39.94 Deposit a quart of charcoal 12 ins.in the ground, for \$\frac{1}{4}\$ sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of

Chains. cor.4 ft.dist., and raise a mound of earth  $3\frac{1}{2}$  ft.base  $1\frac{1}{2}$  ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

1 S 4 on W. face, and 3 on E. face.

79.94 The cor.of.secs.3,4,9, and 10.

Land, level.

Soil, alkali; 4th rate.

No timber.

40.00

80.00

From the cor.of secs. 4,5,32 and 33 on S.bdy.of Tp., established by myself and heretofore described, I run

. N.0.° 03'W.bet.secs.32 and 33,

Over level alkali land.

 $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.4 ft.dist.; and raise a mound of earth  $3\frac{1}{8}$  ft.base

Deposit a quart of charcoal 12 ins.in the ground, for

 $1\frac{1}{2}$  ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

ins.in the ground, marked

 $\frac{1}{4}$  S 32 on W. face, and 33 on E. face.

Deposit a quart of charcoal 12 ins.in the ground, for cor.of secs.28,29,32, and 33; dig pits 18 x 18 x12

ins.in each sec.4 ft.dist.; and raise a mound of

earth 4 ft.base, 2 ft.high over deposit.

In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12

ins.in the ground, marked

T 2 S S 28 on NE.

R 17 W S 33 on SE.

S 32 on SW., and

S 29 on NW.face; with 1 notch on S. and 4 notches on F.edge.

Land, level.

Chains Soil, albali; 4th rate.

No timber.

The cor.of secs.27,28,33, and 34 being plainly visible I run for said corner,

N.89° 56'E.on a random line bet.secs.28 and 33,

40.00 Set temp. 1 sec.cor.

80.00 Intersect N. and S.line at the cor. of secs. 27,28,33, and 34. Thence I run

S.89° 56 W.on true line bet.secs.28 and 33,

bedy you well true fille bettereds.28 and yy

Over level alkali land.

40.00m Deposit a quart of charcoal 12 ins.in the ground, for  $\frac{1}{\xi}$  sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.

4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$  ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

 $\frac{1}{4}$  S 28 on N.face, and 33 on S.face.

The cor.of secs.28,29,32, and 33.

Land, level.

80.00

40.00

Soil, alkali; 4th rate.

No timber.

N.0° 03'W.bet.secs.28 and 29,

Over level alkali land.

Deposit a quart of charcoal 12 ins.in the ground, for

 $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.

4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$ 

ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

ins.in the ground, marked

1 S 29 on W.face, and 28 on E.face.

80.00

Land, level.

SUBDIVISION OF T. 2 S., R. 17 W.

The state of the contract of t Chains Deposit a quart of charcoal 12 ins.in the ground for 80.00 cor.of secs.20,21,28, and 29; dig pits 18  $\times$  18  $\times$  12 ins.in each sec.4 ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.high over deposit. In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked T 2 S S 21 on NE. R 17 W S 28 on SE. s 29 on SW., and S 20 on NW.face, with 2 notches on S. and 4 notches on E.edge. Land, level. Soil, alkali; 4th rate. No timber. The cor.of secs.21,22,27, and 28 heing plainly visible I run for said corner, N.89° 56'E.on a random line bet.secs.21 and 28, 40.00 Set temp. k sec.cor. All the Control of the Intersect N. and S.line at the cor. of secs. 21, 22, 27, 80.00 and 28. Thence I run S.89° 56'W.on true line bet.secs.21 and 28, Over level alkali land. Beposit a quart of charcoal 12 ins. in the ground, for  $\frac{1}{4}$ 40.00 sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor. 4 ft.dist.; and raise a mound of earth 32 ft.base, 12 ft.high over deposit. The Bridge Sign Sandanac E In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked 1950 1.7.  $\frac{1}{4}$  S 21 on N.fæe, and 28 on S.face. The dor. of secs. 20,21,28, and 29.

The the same of the same of

```
Chains,
       Soil, alkali; 4th rate:
 N.0° 03'W.bet.secs.20 and 21,
   over level alkali land.
        Leave alkali; enter salt land.
19.00
        Set a pine post 3 ft.long, 4 ins.sq., with quart of
40.00
          charcoal, 24 ins.in the ground, for 1 sec.cor.marked
          1 S 20 on W.face, and 21 on E.face. Dig.pits 18 x 18
         xml2.ins:N.dand S.of post 3 ft.dist.; and raise a
         mound of earth 3\frac{1}{2} ft.base, 1\frac{1}{2} ft.high W.of cor.
E0.00
        Set a pine post 3 ft.long, 4 ins.sq., with quart of
80.00
          charcoal, 24 ins.in the ground, for cor.of secs.16,
          17,20, and 21; marked
             T 2 S S 16 on NE.
            R 17 W S 21 on SE.
            S 20 on Sw., and
         S 17 on NW.fæ e, with 4 notches on E. and 3 notches
          on S.edge; dig pits 18 x 18 x 12 ins.in each sec. 5\frac{1}{2}
         ft.dist.; and raise a mound of earth 4 ft.base, 2 ft.
       high W.of cor.
        Land, level.
        Soil, alkali; 4th rate.
        No timber.
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The cor. of secs. 15, 16, 21, and 22 being plainly visible

I run for said corner,

N.89°, 56 E. on a random line bet. secs. 16 and 21,

Set temp. 4 sec. cor.

Intersect N. and S. line at the cor. of secs. 15, 16, 21,

S.89° 56'W.on true line bet.secs.16 and 21,

Over level alkali land.

and 22. Thence I run

40.00

g0.00

		SUBDIVISION OF T. 2.S., R. 17 W.
	Chains	· ·
	18.00	Leave alkali; enter salt land.
	40.00	Deposit a quart of charcoal 12 ins. in the ground, for
		$\frac{1}{4}$ sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of
		cor. 4 ft.dist.; and raise a mound of earth 32 ft.
		base, 12 ft.high over deposit.
		In E.pit drive a pine stake 2 ft.long, 2 inseq., 12
		ins.in the ground, marked
		1 S 16 on N. face, and 21 on S. face.
	80.00	The cor.of secs.16,17,20, and 21.
		Land, level.
		Soil, alkali; 4th rate; and salt
		No timber.
		1
		. N.0° 03'W.bet.secs.16 and 17,
		Over level salt bed.
	40.00	Set a pine post 3 ft.long, 4 ins.sq., with quart of
		charcoal, 24 ins.in the ground, for $\frac{1}{4}$ sec.cor., marked
	,	$\frac{1}{6}$ S 17 on W.face, and 16 on E.face; dig pits 18 x 18
	,	x 12 ins.N. and S.of post 3 ft.dist.; and raise a
	,	mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high W.of cor.
	go.00	Set a pine post 3 ft.long, 4 ins.sq., with quart of
		charcoal, 24 ins.in the ground, for cor.of secs.8,9,
		16, and 17, marked
		T 2 S S 9 on NE.
		R 17 W S 16 on SE.
		S 17 on SW., and
		S & on NW.face; with 4 notches on S. and E.edges.
		dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist.;
		and raise a mound of earth 4 ft.base, 2 ft.high W.
		of cor.
1	Ì	

Land, level, salt bed.

No-timber.

Chains. The cor. of secs. 9, 10, 15, and 16 being plainly visible.

I run for said corner,

N.89° 57'E. on a random line bet. secs. 9 and 16,

Set temp. 1 sec.cor.

40.00

12.00

80.00 Intersect N. and S.line at the cor.of secs.9,10,15, and 16. Thence I run

S.89° 57'W.on true line bet.secs.9 and 16, Over level alkali land.

40.00 Deposit a quart of charcoal 12 ins.in the ground, for  $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft.high over deposit.

In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

 $\frac{1}{4}$  S 9 on N. face, and 16 on S. face.

70.00 Leave alkali; enter salt land.

80.00 · The cor.of secs.8,9,16, and 17.

Land, level.

Soil, alkali; 4th rate; and salt bed. No timber.

N.0° 03'W.bet.secs.8 and 9
Over level salt bed.

Leave salt; enter alkali land.

40.00 Deposit a quart of charcoal 12 ins.in the ground, for  $\frac{1}{4}$  sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft.high over deposit.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked

As g on W.face, and g on E.face.

80.00 Deposit a quart of charcoal 12 ins.in the ground, for

cof. of secs. 4,5,8, and 9, dig pits 18 x 18 x 12 ins.

Chains, in each sec.4 ft.dist; raise a mound of earth, 4 ft.base 2 ft.high over deposit. In SE pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked T2SS4 on NE. R 17 W S 9 on SE. s g on SW., and s 5 on NW.face; with 4 notches on E. and 5 notches on S.edge. Land, level. Soil, alkali; 4th rate; and salt. . No timber. The cor. of secs. 3,4,9, and 10, being plainly visible, I run for said corner . N.89° 57'E.on random line bet.secs.4 and 9, 70. 40.00 Set temp.  $\frac{1}{4}$  sec. cor. 80.00 Intersect N. and S.line at the cor. of secs. 3, 4, 9, and 10. Thence I run S.89° 57'W.on true line bet.secs.4 and 9. Over level alkali land. 40.00 Deposit a quart of charcoal 12 ins.in the ground, for \$sec.cor.; dig pits 18 x 18 x 12 ins.E. and W.of cor.4 ft.dist.; and raise a mound of earth 31 ft. base, 12 ft.high over deposit. In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked ... 2 S 4 on N. face, and 9 on S. face. The cor. of secs. 4,5,8, and 9. 80.00 Land, level. Soil, alkali; 4th rate. No timber.

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SUBDIVISION OF T. 2 S., R. 17 W.
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Chains The cor. of secs. 4,5,32, and 33 on N.bdy. of Tp. being plainly visible, I run for said corner, N.0° 07'W.on a random line bet.secs.4 and 5,

Set temp. de ec. cor.

Intersect N.bdy.of Tp.at the cor.ofs ecs.4,5,32, and 33, which is a glass deposit, with pine stake 2 ins. square, 12 ins.above ground, marked and witnessed as described by the surveyor general.

In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12

Thence I run

40.00

79.98

39.98

79.98

S.0° 07'E.bet.secs.4 and 5, on true line,

Over level alkali land.

Deposit a quart of charcoal 12 ins.in the ground, for

1 sec.cor.; dig pits 18 x 18 x 12ins.N. and S.of cor. 4 ft.dist.; and raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$ 

ft.high over deposit.

ins.in the ground, marked

1 S 5 on W. face, and 4 on E. face.

The cor. of secs. 4,5,8, and 9. Land, level.

Soil, alkali; 4th rate.

No timber.

Sept.22, 1908.

Sept.22: At the cor. of secs. 5, 6, 31 and 32 on S.bdy. of Tp., established by myself and heretofore described, lat. 40° 35' 38" N.; long.113° 48' 24" W., at 7 h. 23 m.p.m.by my watch which is 3 m.slow of l.m.t. I observe Polaris at eastern elongation, in accordance with instructions in the Manual, and mark a point in the line thus determined on a stake driven in the ground 4 chs. N. of day station 1 . T. . 12120n.

SUBDIVISION OF T.2 S., R. 17 W. Polaris 1° 34' to the west and mark the meridian thus Chains! determined by cutting a mark on a stone firmly set in the ground west of the point established last night. The magnetic bearing of the true meridian is N.17°30'W. which gives the mag.decl. 17°30'E. Thence I run N.00 04'W.bet.secs.31 and 32 Over level alkali land. Set a pine post 3 ft.long, 4 ins.sq., with quart of 40.00 charcoal, 24 instain the ground, for  $\frac{1}{4}$  s ec. cor.; marked  $\frac{1}{4}$  S 31 on W.face, and 32 on E.face; dig pits 18 x 18 x 12 ins.N. and S.of post 3 ft.dist.; and raise a mound of earth 3 ft.base, 1 ft.high W.of cor. Set a pine post 3 ft.long, 4 ins.sq., with quart of 80.00 charcoal, 24 ins.in the ground, for cor.ofsecs.29,30 31, and 32, marked T 2 S S 29 on NE. R 17 W S 32 on SE. S 31 on SW., and S 30 on NW. face; with 1 notch on S. and 5 notches on E.edge; dig pits 18 x 18 x 12 ins.in each sec.  $5\frac{1}{2}$ ft.dist.; and raise a mound of earth 4 ft.base, 2 ft. high W.of cor. . Land, level. and the second Soil, alkali; 4th rate. No timber. The cor.of secs.28,29,32, and 33 being plainly visible

I run for said corner, ....

N.89° 54'E.on a random line bet.secs.29 and 32,

Set temp. 4 sec. cor. 40.00

Intersect N. and S.line at the cor. of secs. 28,29,32, 80.00

and 33. Thence I run

S.89° 54'W.on a true line bet.secs.29 and 32,

Over level alkali land.

Set a pine post 3 ft.long, 4 ins.sq., with quart of

. . . . charcoal, 24 ins. in the ground, for  $\frac{1}{4}$  sec. cor. mkd. 1 S 29 on N. face, and 32 on S. face; dig pits 18 x 18 ... ... Inx 12:ins:E: and W.of post 3 ft.dist.; and raise a

mound of earth 3 ft.base, 1 ft.high N.of cor.

80.00 | The cor.of secs.29,30,31, and 32.

Land, level.

Soil, alkali; 4th rate.

No timber.

The cor. of secs. 25,30,31, and 36 on W.bdy. of Tp. being plainly visible, I run for said corner, S.89° 55 'W.on a random line bet.secs.30 and 31,

40.00 Set temp. dec.cor.

Intersect W.bdy.of Tp.at the cor.ofsecs.25,30,31, and 78.38 36, established by myself and heretofore described.

Thence I run

N.89° 55'E.on a true line bet.secs.30 and 31, Over level alkali land.

Set a pine post 3 ft.long, 4 ins.sq., with quart of 38.38 charcoal, 24 ins.in the ground, for 1 sec.cor., marked  $\frac{1}{4}$  S 30 on N. face, and 31 on S. face; dig pits 18 x 18 x 12 ins.E. and W.of post 3 ft.dist.; and raise a mound of earth 31 ft.base, 12 ft.high N.of cor.

The cor.of secs.29,30,31 and 32. 78.38 Land, level.

Soil, alkali; 4th ra e.

No timber.

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SUBDIVISION OF T. 2.S., R. 17 W. . . . . . N.00 04'W.bet.secs.29 and 30; 100 Chains Over level a lkali land. The water some Deposit a quart of charcoal 12 ins.in the ground, for 40.00 14 sec.cor.; dig pits 18 x 18 x 12 ins.N. and S.of cor.4 ft.dist.; and raise a mound of earth 32 ft.base 11 ft. high over deposit. In S.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked 1 S 30 on W.face, and 29 on E.face. Set a pine post 3 ft.long, 4 ins.sq., with quart of 80.00 charcoal, 24 ins.in the ground, for cor.ofsecs. 19,20,29, and 30, marked T 2 S S 20 on NE. R 17 W S 29 on SE. S 30 on SW., and William to the second S 19 on NW. face, with 5 notches on E. and 2 notches on Siedge; dig pits 18 x 18 x 12 insin each sec.  $5\frac{1}{2}$ ft.dist.; and raise a mound of earth 4 ft.base, 2 ft. high W.of cor. ----Land, level. Soil, alkali; 4th rate. No timber. in the transfer of a real of the transfer of the property of The cor.or secs.20,21,28; and 29 being plainly visible, I run for said corner, and the corner. N.59° 54'E.on a random line bet.secs.20 and 29, Set temp. 1 sec. cor 10 to 10 40.00 Intersect N. and S.line at the cor. of secs. 20,21,28; 79.98 and 29. Thence I run The same S.89° 54'W.on true line bet secs.20 and 29, Over level alkali land.

Deposit a quart of charcoal 12 ins. in the ground, for

1/4 sec.cor.; dig pits 18 x 18 x 12 ins .and W.of

39.99

## SUBDIVISION OF T. 2 S. R. 17 W. cor.4 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base Chains 1 ft. high over deposit. In E.pit drive a pine stake 2 ft.long, 2 ins.sq., 12 ins.in the ground, marked + S 20 con N.face, and 29 on S.face. The cor.of secs.19,20,29, and 30. 79.98 Land, level. Soil, alkali; 4th rate. No timber. The cor.of secs.19,24,25, and 30 being plainly visible I run for said corner, S.89° 55'W.on random line bet.secs.19 and 30, 40.00 Set temp. 1 sec.cor. 78.24 Intersect W.bdy.of Tp.at the cor.of secs.19,24,25, and 30, established by myself and heretofore described. Thence I run N.89° 55 E.on a true line bet.secs.19 and 30, Over level alkali land. 38.24 Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for $\frac{1}{4}$ sec.cor. marked 1 S 19 on N. face, and 30 on S. face; dig pits 18 x 18 x 12 ins.E. and W.of post 3 ft.dist.; and raise a mo. mound of earth 31 ft.base, 11 ft.high N.of cor. The cor. of secs. 19,20,29, and 30. 78.24 Land, level. Soil, alkali; 4th rate. No timber.

N.0° 04'W.bet.secs.19 and 20,

Over level alkali land.

36.00 Leave alkali; enter salt bed.

**-**36**-**

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The second was the
Chains
                     Set a pine post 3 ft.long, 4 ins.sq., with quartt char-
40.00
                    coal, 24 ing in ground, for 4 second mkd 4 cs 19 for W fact
                          20 on E.face. Pits and mound impracticable.
                     Set a pine post 3 ft.long, 4 ins.sq., with quart of
80.00
                          charcoal, 24 ins.in the ground, for cor.of secs.17,18
                                                                                         The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
                          19, and 20; marked
                                  T 2 S S 17 on NE.
                                  R 17 W S 20 on SE.
                                  S 19 on SW., and
                      S 18 on NW. face, with 5 notches on E. and 3 notch-
                          es on S.edge. Pits and mound impracticable.
                     Land, level.sult bod.
                     Soilimalkali; 4th rate; and salt bed.
                     No timber.
                                                                 the strategy at a care a late to the
                                                                                                      and the transport
                                    Strate Contraction of the
                     The cor.of secs.16,17,20, and 21 being plainly visible
                          I run for said corner,
                                                                                               ------
                        NVS9° 54'E.on a random line bet.secs.17 and 20,
                                                                                40.00
                     Set temp. \frac{1}{4} sec. cor.
                                                                               1 - 6 4
                     Intersect N. and S.line at the cor.ofsecs.16,17,20,
79.98
                          and 21. Thence I run
                          S.89° 54'W.on true line bet.secs.17 and 20,
                     Over level salt bed.
                     Set a pine post 3 ft.long, 4 ins.sq., with quart of
39.99
                          charcoal, 24 ins.in the ground for \frac{1}{4} sec.cor.; marked
                          ½ S 17 on N.fæ.e, and 20 on S.face; dig pits 18 x 18
                          x 12 ins.E. and W.of post 3 ft.dist.; and raise a
                          mound of earth 3½ ft.base, 1½ ft.high N.of cor.
                      The cor. of secs. 17,18,19, and 20.
79.98
                     Land, level salt bed.
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get to a start to the fact to start

No timber.

Chains The cor. of secs.13,18,19, and 24 on W.bdy. of Tp. being plainly visible, I run for said corner,

S.89° 55'W.on random line bet.secs.18 and 19,

40.00 Set temp.  $\frac{1}{4}$  sec.cor.

78.10 Intersect W.bdy.of Tp.at the cor.of secs.13,18,19, and 24, established by myself and heretofore described.

Thence I run

N.89° 55 E.on true line bet.secs.18 and 19, Over level salt bed.

Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for \( \frac{1}{2} \) sec.cor., marked \( \frac{1}{2} \) S 18 on N.face, and 19 on S.face; pits and mounding impracticable.

78.10 The cor.of secs.17,18,19, and 20.

Land, level salt bed.

No timber.

N.0° 04'W.bet.secs.17 and 18,

Over level salt bed.

40.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for \(\frac{1}{4}\) se c.cor.;mkd.\(\frac{1}{4}\) S 18 on W.face, and 17 on E.face. Pits and mound impracticable.

charcoal, 24 ins.in the ground for cor.ofsecs.7,8,

17, and 18, marked

'R 17 W S 17 on SE.

s 18 on SW., and

T 2 S S S on NE.

S 7 on NW.face; with 5 notches on E. and 4 notches on S.edge. Pits and mound impracticable.

Land, level. salt bed.

Chains. The cor. of secs. 8,9,16, and 17 being plainly visible I run for said corner. N.89° 54'E.on a random line bet.secs.8 and 17, set temp. 1 sec.cor. 40.00 Intersect N. and S.line at the cor. of secs. 8,9,16, and 79.96 17. Thence I run S.89° 54'W.on true line bet.secs.8 and 17, Over level salt bed. Set a pine post 3 ft.long, 4 ins.sq., with quart of 39.98 charcoal, 24 ins.in the ground, for 1 sec.cor.marked 1 S 8 on N. face, and 17 on S. face. Pits and mound impracticable. The cor.of secs.7,8,17, and 18. 79.96 Land, level, salt bed. Noitimber. 1: th reta. \* The cor.of secs.7,12,13, and 18 on W.bdy.of Tp.being plainly visible I run for said corner, S.89° 55 W.on random line bet.secs.7 and 18, Set temp. z sec.cor. 40.00 Intersect W.bdy.of Tp.at the cor.of secs.7,12,13, and 77.96 18, established by myself and heretofore described. Thence I run N.89° 55 E.on true line bet.secs.7 and 18, Over level salt bed. Set a pine post 3 ft.long, 4 ins.sq., with quart of 37.96 charcoal, 24 ins.in the ground, for 1 sec.cor., marked 1 S 7 on N.face, and 18 on S.face. Pits and mound impracticable. The cor.of secs.7,8,17, $^{\checkmark}$  and 18. 77.96

Land, level salt bed.

No timber.

Chains N.O. 04 W.bet.secs.7 and 8,

Over level salt bed.

40.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for \( \frac{1}{4} \) sec.cor. marked \( \frac{1}{4} \) S 7 on W.face, and 8 on E.face. Pits and mound impracticable.

So.00 Set a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for cor.of secs.5, 6,7, and 8; marked

T 2 S S 5 on NE.

R 17 W S 8 on SE.

s 7 on sw., and

S 6 on NW.face, with 5 notches on S. and E.edges.

Pits and mound impracticable.

Land, level salt bed.

No timber.

The cor.of secs.4,5,8, and 9 being plainly visible I run for said corner,

N.59° 56'E.on a random line bet.secs.5 and 8,

40.00 Set temp.  $\frac{1}{2}$  sec.cor.

25.00

79.96 Intersect N. and S.line at the cor.of secs.4,5,8, and
9. Thence I run over level alkali land

Ovsr899956 Witonitruedline bet.secs.5 and 8,

Leave alkali; enter salt bed.

39.98 Set; a pine post 3 ft.long, 4 ins.sq., with quart of charcoal, 24 ins.in the ground, for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  S  $\frac{7}{5}$  on N.face, and  $\frac{7}{8}$  on S.face. Pits and mound im-

practicable.

79.96 The cor.of secs.5,6,7, and 8.
Land, level.

Soil, alkali; 4th rate; and salt bed.

No timber.

## SUEDIVISION OF T. 2 S., R. 17 W.

-4,+	granisaska erakmenternosekanê	interestinguisment and additional than the state of the s
		,
	chains	The cor.of secs.1,6,7, and 12 on W.bdy.of Tp.being
	to the production	plainly visible I run for said corner,
	i (	S.89° 55'W.on random line bet.secs.6 and 7,
	40.00	Set temp. kec.cor.
	77.82	Intersect W.bdy.of Tp.at the cor.of secs.1,6,7, and 12,
	,	established by myself and heretofore described.
	T company	Thence I run
	thoughton in a second	N.89° 55'E.on a true line bet.secs.6 and 7,
	And and a Proposition of the Pro	Over level salt bed.
	37.82	Set a pine post 3 ft.long, 4 ins.sq., with quart of
	Angelenada di Alberto.	charcoal, 24 ins.in the ground, for $\frac{1}{4}$ sec.cor. marked
	Output and a state of the state	1 s 6 on N.face, and 7 on S.face. Pits and mound im-
	The second secon	practicable.
	77.82	The cor.of secs.5,6,7, and 8.
	The state of the s	Land, level salt bed.
	7	No timber.
	and the state of t	
		$\cdot$
	and the state of t	The cor.of secs.5,6,31, and 32 on N.bdy.of Tp.being
	Colors of Japanese	plainly visible I run
	and the second s	N.0° 10'W.on a random line bet.secs.5 and 6,
	10.00	Set t emp. } sec.cor.
	79.98	Intersect N.bdy.of Tp.at the cor.ofsecs.5,6,31, and
	r	32, which is a pine stake 2 ins.sq., 12 ins.above
		ground, with glass deposit, marked and witnessed as
		described by the surveyor general.
	\$ 1	Thence I run
	į į	S.00 10 E.on true line bet.secs.5 and 6,
	·	Over level sult bed.
	39.98	Set a pine post 3 ft.long, 4 ins.sq., with quart of
		charcoal, 24 ins.in the aground, for 1 sec.cor.
	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	marked 1 S 6 on W. face, and 5 on E. face. Pits and
		mound impracticable.
	79.98	The cor.of secs.5,6,7, and 8.
	1	

Chains.

Land, level salt bed.

No timber.

Sept. 23, 1908.

#### GENERAL DESCRIPTION.

This township contains only salt and alkali lands. All of sections 6, 7, 17, and 18, the  $W.\frac{1}{2}$  secs. 5 and 16, major portion of secs. 8, 19,20, and 21, and a very small portion in the W. 2 sec. 22 contain a valuable de-o posit of salt, varying in thickness from 1 inch to many feet in depth, and seems to be of almost pure quality.

The remaining portion of the township is an alkali flat, unfit for any kind of agricultural crops.

Thround no indications of mineral, other than the salt. There is no water in the township and no timber. There are no settlers in the township.

Robert E. L. Callin

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# PAGE

## FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

#### LIST OF NAMES.

	t E.L.Collier
, United States Deputy Surveyor	, to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes	of the survey of the Subdivi-
sion of Tps.1 N. and 1 S., R. 19 W.; and Tps. W. or the Salt Lake Base and Meridian, Utan,	2 S., Rs.17, 18, and 19
showing the respective capacities in which they acted:	0 01 0-
	h Glenlig, Chainman.
David Shar	p Jr., Chainman.
R.Harold B	rowne , Moundman.
	, Moundman.
	, Axman.
·	, Axman.
Ralph M.Wi	nd , Flagman.
FINAL OATH OF ASSISTA	ANTS.
We hereby certify that we assistedRobert	E.L.Collier
, United Stat	es Deputy Surveyor, in surveying all
hose parts or portions of the the Subdivisions of Tps. nd Tps.2 S., Rs.17, 18, and 19 W.of the	
'	of the Salt
ake Base and meridian, State of	
n the foregoing field notes as having been surveyed by him and und as been in all respects, to the best of our knowledge and belief, v orner monuments established, according to the instructions furni	vell and faithfully surveyed, and the
Teneral for Utah.	_
	Slenly, Chainman.  Sharp J., Chainman.  old Browne Moundman.
Teneral for Utah.	Lenly, Chainman. Sharp J., Chainman.
Teneral for Utah.  Ralps David  R Hor	Slenly, Chainman.  Sharp J., Chainman.  old Browne Moundman.
Teneral for Utah.  Ralps David  R Har	Slenly, Chainman.  Sharp J., Chainman.  Old Browns Moundman.  Moundman.
Teneral for Utah.  Ralps David  R Har	Lenly, Chainman.  Sharp J., Chainman.  Old Browne Moundman.  Moundman.  Axman.

## FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

1 80061.1 12	L.Collier United States Deputy Surveyor, do
solemnly swear that, in pursuan	nce of a contract received from Thomas Hull
United States Surveyor General	for Utah bearing date of the
5th day of M	arch 190 8, I have well, faithfully, and truly, in my own
	nformity with the instructions furnished by the United States Surveyor
General forUtah.	the Subdivisional lines of Tps.
United States, surveyed all tho	se parts or portions of the Subdivisional lines of Tps.
1 N., and 1 S., R.19	W.; and Tps.2 S., Rs.17, 18, and 19 W.
	, , ,
	of the Salt Lake
Base and meridian, in books p. F. G. I. and	in the State of Utah., which are represented in the been surveyed by me, and under my direction; and I do further solemnly
foregoing field notes as having	been surveyed by me, and under my direction; and I do further solemnly
	d survey have been established and perpetuated in strict accordance with
the Manual of Surveying Instru Utah:	ctions, and the special written instructions of the United States Surveyor
General for	and in the specific manner described in the field notes, and that
the foregoing are the original f	eld notes of such survey.
·	
	Robert E. L. Callied
•	,
	United States Deputy Surveyor.
Subscribed by said Robert E	•L•Collier and sworn to before me)
•	October , 1908.
this day of	0616BE1 , 1900 ,
acceca	Thomastull
o seal o occoco	U.S.Surveyor-General
•	for Utah.
	APPROVAL.
•	* ====================================
•	
OFFICE (	OF THE UNITED STATES SURVEYOR GENERAL,
OFFICE (	Salt Lake City, Utah; January 21, 1909.
	Salt Lake City, Utan; January 21, 1909.
The foregoing field notes	Salt Lake City, Utah, January 21, 1909.
The foregoing field notes	Salt Lake City, Utan, January 21, 1909. of the survey of the subdivisional lines of Township . 17 West of the Salt Lake Rase and Meridian,
The foregoing field notes No. 2 South, Range No	Salt Lake City, Utan, January 21, 1909. of the survey of the subdivisional lines or Township . 17 West of the Salt Lake Base and Meridian,
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The foregoing field notes No. 2 South, Range No Utah,  executed by Ro under his contract No. 301	Salt Lake City, Utah, January 21, 1909.  of the survey of the subdivisional lines of Township  17 West of the Salt Lake Rase and Meridian,  bert E.E.Collier  , dated March 5. 1908, having been
The foregoing field notes  No. 2 South, Range No  Utah,  executed by Ro  under his contract No. 301  critically examined, and the ne	Salt Lake City, Utah, January 21, 1909.  of the survey of the Subdivisional lines of Township  17 West of the Salt Lake Base and Meridian,  bert E.L.Collier  , dated March 5, 1908, having been beessary corrections and explanations made the said field notes, and the
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United States Surveyor General.